

Oil Field Environmental Incident Summary

Incident: 20190701125826 **Notice:** 7/1/2019 12:58 **Occurred:** 6/30/2019 09:00

Responsible Party: EMPIRE PETROLEUM CORPORATION

Well Operator: ENERGYQUEST II, LLC

Well Name: OSCAR FOSSUM H2

Field Name: WAYNE

Well File #: 13895

Facility ID #:

County: BOTTINEAU

Twp Rng Sec Qtr: 162 81 32

Location Description: 150' x 150' ON SOUTH SIDE OF LOCATION

Submitted By: JEFF TEARE

Received By:

Contact Info: TOMMY PRITCHARD
1203 E. 33RD STREET
SUITE 250
TULSA OK 74105

Affected Medium: Topsoil

General Land Use: Cultivated

Near. Occupied Bldg: 3 Mile

Nearest Water Well: 3 Mile

Type of Incident: Stuffing Box Leak

Release Contained: No

Reported to NRC: Unknown

	Spilled	Units	Recovered	Units	Followup	Units
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Oil

Brine			60	Barrels		
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Other

Oth Rel. Contaminant: SLIGHT OIL SKIM BUT MAJORITY PRODUCED WATER

Date Inspected:

Clean Up Concluded:

Written Report Recd:

Risk Evaluation:

NONE

Areal Extent:

150' X 150' OF FARM FIELD

Potential Env. Impacts:

NONE

Action Taken/Planned:

RECOVERED APPROXIMATELY 60 BBLS WATER WITH VACUUM TRUCK. WILL REVIEW AFFECTED AREA AND DISCUSS DESIRED OF FARMER. MOST LIKELY REMOVE TOP SOIL AND REPLACE.

Wastes Disposal Location:

CERTIFIED LAND FILL OR DISPOSAL

Other Agencies Involved:

SHERIFF DEPARTMENT

Updates

Date: 7/1/2019 **Status:** Reviewed - Follow-up Required **No Further Action:**

Author: DeVries, Taylor

Notes:

According to the incident report, production water and crude oil misted off site. Further follow-up is needed.

Updated Volumes and Contaminant None at the time of this update

Date: 7/9/2019 **Status:** Inspection **No Further Action:**

Author: Stockdill, Scott

Notes:

Arrived on location 3:04 7/9/2019.

Impacts mostly to the south of the wellhead, however there is an area that is impacted to the north as well. Visible die off in this year's wheat crop. At the time of inspection no work has been done.

More follow-up is necessary.

Updated Volumes and Contaminant None at the time of this update

Date: 7/9/2019 **Status:** Correspondence **No Further Action:**

Author: Stockdill, Scott

Notes:

Spoke with responsible party and contracted pumper for responsible party. Pumper was advised to take samples after cleanup was completed.

More follow-up is necessary.

Updated Volumes and Contaminant None at the time of this update

Date: 7/12/2019 **Status:** Inspection **No Further Action:**

Author: Stockdill, Scott

Notes:

Arrived on location 12:45 7/12/2019.

Excavator onsite removing impacted soil. Significant amount of work will need to be completed.

More follow-up is necessary.

Updated Volumes and Contaminant None at the time of this update

Date: 8/2/2019 **Status:** Inspection

No Further Action:

Author: Stockdill, Scott

Notes:

Arrived on location 1:01 8/2/2019.

Excavation down to 3' BSG. Visible impacts still present in excavation. Heave equipment is still present on site. Samples are needed before site is backfilled.

More follow-up is necessary.

Updated Volumes and Contaminant None at the time of this update

Date: 8/22/2019 **Status:** Inspection

No Further Action:

Author: Stockdill, Scott

Notes:

Arrived on location 1:40 8/22/2019.

Excavation still open. Samples taken in three locations south of the wellhead and one to the north. Visible salt impacts still present.

19-C703 North Excavation (48.820677, -101.202868)
19-C704 South excavation south of well (48.820180, -101.202639)
19-C705 South Ex. SW Lobe (48.820269, -101.202974)
19-C705 South Ex. SE Corner (48.820254, -101.202453)

More follow-up is necessary.

Updated Volumes and Contaminant None at the time of this update

Date: 8/26/2019 **Status:** Correspondence

No Further Action:

Author: Stockdill, Scott

Notes:

Email sent to Empire Petroleum regarding current cleanup status on site, along with photos and informing them of samples taken by the NDDEQ.

Email is in incident folder.

More follow-up is necessary.

Updated Volumes and Contaminant None at the time of this update

Date: 9/30/2019 **Status:** Inspection - More Follow-up Required **No Further Action:**

Author: Stockdill, Scott

Notes:

Arrived on location 3:47 9/25/2019.

Excavation filled with rainwater. A small temporary berm has been constructed.

Follow up with company to see sample results.

More follow-up is necessary.

Updated Volumes and Contaminant None at the time of this update

Date: 10/15/2019 **Status:** Inspection - More Follow-up Required **No Further Action:**

Author: Stockdill, Scott

Notes:

Arrived on location 2:35 10/15/2019.

Excavation still filled with runoff from recent rains and snow.

Contact company regarding samples.

More follow-up is necessary.

Updated Volumes and Contaminant None at the time of this update

Date: 4/15/2020 **Status:** Correspondence - More Follow-up Required **No Further Action:**

Author: Kaiser, Don

Notes:

Emailed company for incident status update on 4/15/2020.

Updated Volumes and Contaminant None at the time of this update

Date: 4/15/2020 **Status:** Correspondence - More Follow-up Required **No Further Action:**

Author: Kaiser, Don

Notes:

Received email from company on 4/15/2020 as follows:

Don, We moved several loads of soil off of the area in the fall and since the area of the spill is low, the excavation immediately filled with water after a series of heavy rains. Winter arrived and froze the water in the excavation. We are awaiting thaw to get a group recommended by our insurer to close the site. My pumper estimates that we are about one month or so away from being able to do that. So, we have not been able to do anything since our last update. Please feel free to call me should you have any questions.

Tommy Pritchard

Tommy Pritchard
Chief Executive Officer
Empire Petroleum Corp.
1203 East 33rd Street
Suite 250
Tulsa, OK 74105
539-444-8002 (O)
540-454-5552 (M)

Updated Volumes and Contaminant None at the time of this update

Date: 5/21/2020 **Status:** Correspondence - More Follow-up Required **No Further Action:**

Author: Kaiser, Don

Notes:

Received email from consultant on 5/21/2020 which has been added to the incident folder. A summary of the email follows:

A plan has been established plan for sampling. Midwestern Drilling will do a total of 26 borings to 5' to establish the depth of contamination. Five samples will be collected from each boring, bagged, labeled and then sent with a chain of custody to the independent lab of B-Environmental for soil testing. To make certain there has been no lateral leaching beyond the original spill area they will also bore along the perimeter within 15' of the known contaminated area.

They are in the process of confirming the boring/testing for the latter part of next week or the first part of the following week that begins on Monday – June 1st. They will put a rush on the sampling with hopes of having an approved remediation plan in place by mid-June to start the remediation by the last week of June or at latest by the first week of July. After results from the boring and soil testing has been received a detailed remediation plan will be submitted to the NDDEQ.

Updated Volumes and Contaminant None at the time of this update

Date: 7/2/2020 **Status:** Inspection - More Follow-up Required **No Further Action:**

Author: Stockdill, Scott

Notes:

Arrived on location 1:08 7/2/2020.

No sign of additional work having been done. Water present in excavation.

More follow-up is necessary.

Updated Volumes and Contaminant None at the time of this update

Date: 9/15/2020 **Status:** Inspection - More Follow-up Required **No Further Action:**

Author: Kaiser, Don

Notes:

Visited site on 09-08-2020 at 1:45. Photos are in incident folder. Further follow-up is needed to assess remediation.

Updated Volumes and Contaminant None at the time of this update

Date: 9/23/2020 **Status:** Correspondence - More Follow-up Required **No Further Action:**

Author: Kaiser, Don

Notes:

Received email from company representative on 09/16/2020. Email is in incident report folder. Email is as follows:

"We have completed drainage installation, amendment treatment, and have caught some initial returning fluid samples. All is going very well. We are getting very good flowback of fluid from drainage system. To date, we have recovered approximately 137 bbls of fluid from the sump on South side. Field testing indicates a reduction in EC levels. We went from an initial EC of 14.5 to 9.9 mS/cm. We should begin seeing a spike in EC due to treatment. Once we see that initial spike, we will be on the downhill side of the remediation progress. On the smaller North side, we are already seeing the spike from treatment. That is a positive indication. We went from EC of 6.6 initially to 19 mS/cm. That is what we want to see from amendment flow through. To date, we have recovered approximately 60 bbls from the smaller North side.

Sumps are being visually checked each day and are being pumped on a weekly basis, unless additional pumping is required. We will be sampling each month, through the winter months, to check progress and will report findings to everyone.

Updated Volumes and Contaminant None at the time of this update

Date: 8/31/2021 **Status:** Inspection - More Follow-up Required **No Further Action:**

Author: Stockdill, Scott

Notes:

Arrived on location 2:47 8/31/2021.

Area to south backfilled to grade and some marginal vegetation growing in area. Site to the north has had no work done since last inspection.

More follow-up is necessary to ensure revegetation.

Updated Volumes and Contaminant None at the time of this update

Date: 9/30/2021 **Status:** Inspection - More Follow-up Required **No Further Action:**

Author: Stockdill, Scott

Notes:

Arrived on location 4:01 9/30/2021.

Vegetation in area to the south is growing however it is all shallow rooted without vigorous growth. No work has been done to the north. Site closure will not take place in 2021 and will not occur until area to the north is remediated.

More follow-up is necessary.

Updated Volumes and Contaminant None at the time of this update

Date: 4/6/2022 **Status:** Inspection - More Follow-up Required **No Further Action:**

Author: Stockdill, Scott

Notes:

Arrived on location 11:35 4/6/2022.

No sign of additional work having been completed since the last inspection. Cell still present on the north side of the location and the area to the south is still devoid of vegetation.

More follow-up is necessary.

Updated Volumes and Contaminant None at the time of this update

Date: 6/24/2022 **Status:** Inspection - More Follow-up Required **No Further Action:**

Author: Stockdill, Scott

Notes:

Arrived on location 2:41 6/24/2022.

No sign of additional work having been completed since the last inspection. Area to north of well is still scarred and still has a pit present. Vegetation on the south side of the well is marginal, with some areas still showing signs of salt crystals.

More follow-up is necessary.

Updated Volumes and Contaminant None at the time of this update

Date: 3/6/2023 **Status:** Correspondence - More Follow-up Required **No Further Action:**

Author: Stockdill, Scott

Notes:

Email sent to the responsible party on 3/6/2023.

"... I was wondering what the status is of the Oscar fossum cleanup for the incident that occurred on 7/1/2019? Any information would be appreciated. ..."

Full email in the incident folder.

More follow-up is necessary.

Updated Volumes and Contaminant None at the time of this update

Date: 7/12/2023

Status: Inspection - More Follow-up Required

No Further Action:

Author: Stockdill, Scott

Notes:

Arrived on location 1:46 7/12/2023. Main impact area to south still largely devoid of vegetation with some sporadic areas of foxtail growing. Area to north still has a retention pond and sumps. There is however sporadic vegetation growing in the retention pond. More follow-up is necessary.

Updated Volumes and Contaminant None at the time of this update