

# Oil Field Environmental Incident Summary

**Incident:** 20180717162707      **Notice:** 7/17/2018    16:27      **Occurred:** 7/16/2018    15:30

**Responsible Party:** LIME ROCK RESOURCES III-A, L.P.

**Well Operator:** LIME ROCK RESOURCES III-A, L.P.

**Well Name:** KENNETH STROH 2-12-1H-143-97

**Field Name:** CABERNET

**Well File #:** 21334

**Facility ID #:**

**County:** DUNN

**Twp Rng Sec Qtr:** 143 97 13

**Location Description:**

**Submitted By:** Robyn Espinoza

**Received By:**

**Contact Info:**  
Robyn Espinoza  
1111 BAGBY, SUITE 4600  
HOUSTON TX 77002

**Affected Medium:** Topsoil

**General Land Use:** Pasture

**Near. Occupied Bldg:**

**Nearest Water Well:**

**Type of Incident:** Other

**Release Contained:** No

**Reported to NRC:** No

	<b>Spilled</b>	<b>Units</b>	<b>Recovered</b>	<b>Units</b>	<b>Followup</b>	<b>Units</b>
<b>Oil</b>						
<b>Brine</b>	10	Barrels			75	barrels

**Other**

**Oth Rel. Contaminant:**

**Date Inspected:**

**Clean Up Concluded:** 7/21/2018

**Written Report Recd:** 10/8/2019

**Risk Evaluation:**

Contaminated surface material

**Areal Extent:**

Adjacent pasture land approximately 150 feet off of well pad

**Potential Env. Impacts:**

Contaminated surface material, and vegetation

**Action Taken/Planned:**

An emergency one call was placed, field EC readings have been performed to identify the affected area, SM Fencing will remove all contaminated materials, haul in new top soil and reseed the area.

**Wastes Disposal Location:**

Chimney Butte

**Other Agencies Involved:**

## Updates

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**Date:** 7/17/2018      **Status:** Reviewed - Follow-up Required

**No Further Action:**

**Author:** Crowdus, Kory

**Notes:**

Release impacted areas off location. Follow-up is required.

**Updated Volumes and Contaminant** None at the time of this update

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**Date:** 7/23/2018      **Status:** Inspection

**No Further Action:**

**Author:** Martin, Russell

**Notes:**

7/20/2018 at 11:36, on location. Met with consultant and lime rock personnel evaluating site. Release occurred on location, flowed out an eroded portion of the tertiary containment berm, flowed down the slope of the wellpad, and went into a tree filled drainage. Grass and trees within the flowpath visibly impacted, with the impacted vegetation already brown. Talking with consultant, initial plans are to delineate the vertical extent of the release, as the release has already been flagged for its horizontal extent, presumably based on where the brown vegetation is. More follow-up required.

**Updated Volumes and Contaminant** None at the time of this update

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**Date:** 7/25/2018      **Status:** Inspection

**No Further Action:**

**Author:** Washek, Sandi

**Notes:**

Arrived onsite at 1:17pm. Weather was sunny with wind out of the NW at 15 miles/hr. Temperature 71 degrees F. Location of the oil pad is GPS N42.21193 W102.92429.

The Release occurred on location, flowed out an eroded portion of the tertiary containment berm, flowed down the slope of the well pad, and went into a tree filled drainage. Grass and trees within the flow path visibly impacted, with the impacted vegetation already brown. The area of impacted has been flagged by SM Fencing delineating the extent of the brown vegetation. There was a small pool of water in a hole along the dike where the release occurred. High level Chloride strip was used on the pooled water and was maxed out, meaning the level was above 6,758ppm.

NDDoH inspector walked down the drainage to the Stock dam about 1/4 of a mile down from the oil pad and checked for water pooled in the braided stream. No water was found until the stock dam in the braided stream bed. Chloride strip was used on the stock dam water GPS N47.21573 W102.91894. Chloride strip was 1.4 or less than 31 ppm. There was water in a the stream bed next to the stock dam (GPS N47.21582 W102.91905) that was also tested by chloride strip. Low strip read 2.0 or 52ppm. None of the vegetation was brown or appeared stressed. Will need to contact company for a clean up plan for this site.

Additional follow-up will be needed for this site.

**Updated Volumes and Contaminant** None at the time of this update

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**Date:** 8/27/2018      **Status:** Inspection      **No Further Action:**

**Author:** Crowdus, Kory

**Notes:**

On location 8/27/2018, at 4:02pm. Release off location to the North. Release flowed down sidehill from well pad to the North, approximately 100 yards with a path width of up to 15ft. There is dead vegetation and some trees along the flow path. I spoke to contact and was told an EM survey had been done to delineate the area and that cleanup will begin on 9/4/2018. Further follow-up is required.

**Updated Volumes and Contaminant** None at the time of this update

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**Date:** 10/1/2018      **Status:** Inspection      **No Further Action:**

**Author:** Martin, Russell

**Notes:**

9/4/2018 at 14:05, on location. Checked to see if excavation work has begun. Ground appears undisturbed, and the only earthmoving equipment onsite is a skidsteer. Also, it does not appear that impacted vegetation has been removed.

**Updated Volumes and Contaminant** None at the time of this update

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**Date:** 8/26/2019      **Status:** Inspection      **No Further Action:**

**Author:** O'Gorman, Brian

**Notes:**

Arrived on location at 16:24. Observed the site and took photos. It appeared that new vegetation was returning along the north side of the well pad. However the area at the base of the pad had not been seeded and no new vegetative growth was appearing. It also appeared that multiple trees had been cut down near the drainageway and several were dead with no leaves near this area. Photos added to the incident folder. More follow-up needed.

**Updated Volumes and Contaminant** None at the time of this update

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**Date:** 4/28/2020      **Status:** Inspection - Vegetation Check      **No Further Action:**

**Author:** Crowdus, Kory

**Notes:**

On location 4/28/2020, at 11:11am. Dead trees have been cut and removed. There has been some erosion from the pad washing off into impact area. The erosion issue will be addressed and the entire area will be re seeded this spring. Further follow-up for vegetation growth is required.

**Updated Volumes and Contaminant** None at the time of this update

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**Date:** 9/16/2020      **Status:** Inspection - More Follow-up Required      **No Further Action:**

**Author:** Crowdus, Kory

**Notes:**

On location 9/16/2020, at 10:54am. There is little to no growth in the impacted area. It also appears there may have been an additional washout to the west of original one. I spoke to contact and he said work had been completed and then it all washed out again. There are going to go back to site and attempt to address the situation and get area reseeded. Further follow-up is required.

**Updated Volumes and Contaminant** None at the time of this update

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**Date:** 5/3/2021      **Status:** Inspection - More Follow-up Required      **No Further Action:**

**Author:** Crowdus, Kory

**Notes:**

On location 5/3/2021, at 1:50pm. Area continues to show little to no growth. Will need to discuss with contact on future plans at the site. Further follow-up is required.

**Updated Volumes and Contaminant**   None at the time of this update

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**Date:** 9/21/2021      **Status:** Inspection - Vegetation Check      **No Further Action:**

**Author:** Crowdus, Kory

**Notes:**

On location 9/21/2021, at 9:33am. Impacts still remain in area. Weeds are the only vegetation growing in the area. Further follow-up needed with company contact to get an update on future plans.

**Updated Volumes and Contaminant**   None at the time of this update

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**Date:** 11/3/2021      **Status:** Inspection - Vegetation Check      **No Further Action:**

**Author:** Suess, Bill

**Notes:**

This incident has been re-assigned to D. Kaiser.

**Updated Volumes and Contaminant**   None at the time of this update

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**Date:** 6/2/2022      **Status:** Inspection - More Follow-up Required      **No Further Action:**

**Author:** Kaiser, Don

**Notes:**

Visited site on 5/19/2022. Took photos. Area shows limited vegetation, primarily weeds with a lot of open soil patches. Recent moisture washed out impacted area. Bales were present in impacted area. Follow-up needed.

**Updated Volumes and Contaminant**   None at the time of this update

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**Date:** 8/12/2022      **Status:** Inspection - More Follow-up Required      **No Further Action:**

**Author:** Kaiser, Don

**Notes:**

Visited site on 8/11/2022. Took photos. Incident area shows limited vegetation and has erosion problems. Responsible party was emailed on 8/12/2022 to address erosion control and re-vegetation problems. Follow-up needed.

**Updated Volumes and Contaminant**   None at the time of this update

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**Date:** 2/21/2023      **Status:** Correspondence - More Follow-up Required      **No Further Action:**

**Author:** Kaiser, Don

**Notes:**

On 2/21/2023, I emailed company requesting plan for Spring/Summer.

Can someone please update me on plans for the issues at this site for this Spring/Summer? Thanks.

From: Kaiser, Donald A.

Sent: Friday, August 12, 2022 11:38 AM

To: jstein@limerockresources.com; dtescher@limerockresources.com;

jthompson@limerockresources.com

Subject: FW: KENNETH STROH 2-12-1H-143-97 inspection

Good morning, I inspected the KENNETH STROH 2-12-1H-143-97 well pad for an incident that occurred on 07/17/2018. There are some serious erosion problems in the area that was impacted which is preventing the revegetation. Would it be possible for some erosion control measures to be put into place so it can hopefully re-vegetate. Can you please let me know your thoughts on this? Thank you.

Don

**Updated Volumes and Contaminant** None at the time of this update

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**Date:** 2/21/2023      **Status:** Correspondence - More Follow-up Required      **No Further Action:**

**Author:** Kaiser, Don

**Notes:**

Received email from responsible party on 2/21/2023 stating future remediation plans.

Sounds good. Thanks for the information Dustin.

-----Original Message-----

From: Dustin Tescher <dtescher@limerockresources.com>

Sent: Tuesday, February 21, 2023 1:44 PM

To: Kaiser, Donald A. <dKaiser@nd.gov>

Cc: Jake Stein <jstein@limerockresources.com>; jthompson@limerockresources.com; Damien McMahan <dmcmahen@limerockresources.com>

Subject: Re: KENNETH STROH 2-12-1H-143-97 inspection

\*\*\*\*\* CAUTION: This email originated from an outside source. Do not click links or open attachments unless you know they are safe. \*\*\*\*\*

We plan to revisit the site this spring once the spring runoff is done and reassess the site. We will keep you in the loop when we have a plan for this site.

[Lime Rock Logo]

Dustin Tescher

Lime Rock Resources

Environmental, Health, & Safety Supervisor

dtescher@limerockresources.com<mailto:dtescher@limerockresources.com>

Cell: 701-300-0329<tel:701-300-0329>

Office: 701-264-4912<tel:701-264-4912>

On Feb 21, 2023, at 1:17 PM, Kaiser, Donald A. <dKaiser@nd.gov> wrote:

EXTERNAL SENDER

Can someone please update me on plans for the issues at this site for this Spring/Summer? Thanks.

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To: jstein@limerockresources.com; dtescher@limerockresources.com;

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Don

**Updated Volumes and Contaminant** None at the time of this update

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**Date:** 7/11/2023      **Status:** Inspection - More Follow-up Required      **No Further Action:**

**Author:** Suess, Bill

**Notes:**

Inspected the site on 7/6/2023. There are still erosional issues at the site. Field conductivity readings were:

Background    1.5 mS  
Slope            2.0 mS  
Toe of Slope   3.0 mS

Contacted the RP to address erosional issues and provide confirmation samples for the site.

No photos taken.

**Updated Volumes and Contaminant**    None at the time of this update

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**Date:** 7/25/2023      **Status:** Inspection - More Follow-up Required      **No Further Action:**

**Author:** Kaiser, Don

**Notes:**

Inspected site on 7/11/2023. Photos are in folder. Site still has serious erosion problems preventing re-vegetation in impacted area. Follow-up needed.

**Updated Volumes and Contaminant**    None at the time of this update