

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	2RP-5447
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Fasken Oil and Ranch, LTD	OGRID
Contact Name Aaron Pachlhofer	Contact Telephone 432-687-1777
Contact email aaronp@forl.com	Incident # (assigned by OCD)
Contact mailing address 6101 Holiday Hill Road, Midland, TX, 79707	

Location of Release Source

Latitude 32.558197

Longitude -104.499148
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Gossett "20" No. 3H battery	Site Type Tank Battery
Date Release Discovered 5/20/19	API# 30-015-39349

Unit Letter	Section	Township	Range	County
I	20	20-S	25-E	Eddy

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: Ronald Houghtailing)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 90 bbls	Volume Recovered (bbls) 75 bbl
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release Valve on injection line failed, causing spill

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Oil Conservation Division

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Was this a major release as defined by 19.15.29.7(A) NMAC?

☒ Yes ☐ No

If YES, for what reason(s) does the responsible party consider this a major release?

More than 25 barrels release, as defined by spill rule.

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

On 5/20/19 at approx. 10:15, upon notification field staff, Fasken Oil and Ranch Environmental Coordinator Aaron Pachlhofer called OCD District 2 office. Voicemail left for Mike Bratcher. OCD Jim Griswold contacted and voicemail left. Confirmation email sent to Mike Bratcher and Jim Griswold on . Email response received from Mike Bratcher.

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

- ☒ The source of the release has been stopped.
- ☒ The impacted area has been secured to protect human health and the environment.
- ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ☒ All free liquids and recoverable materials have been removed and managed appropriately.

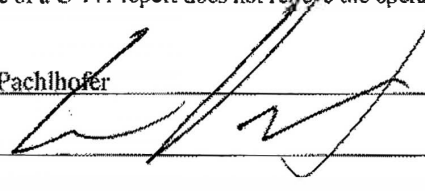
If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Aaron Pachlhofer

Title: Environmental Coordinator

Signature: 

Date: 5/22/19

email: aaronp@forl.com

Telephone: 432-6687-1777

OCD Only

Received by: _____

Date: _____

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Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	_____ (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> <input type="checkbox"/> <u>NO</u>
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> <input type="checkbox"/> <u>NO</u>
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> <input type="checkbox"/> <u>NO</u>
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> <input type="checkbox"/> <u>NO</u>
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> <input type="checkbox"/> <u>NO</u>
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> <input type="checkbox"/> <u>NO</u>
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> <input type="checkbox"/> <u>NO</u>
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> <input type="checkbox"/> <u>NO</u>
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> <input type="checkbox"/> <u>NO</u>
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> <input type="checkbox"/> <u>NO</u>
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> <input type="checkbox"/> <u>NO</u>
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> <input type="checkbox"/> <u>NO</u>

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: Each of the following items must be included in the report.

- ☐ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☐ Data table of soil contaminant concentration data
- ☐ Depth to water determination
- ☐ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☐ Photographs including date and GIS information
- ☐ Topographic/Aerial maps
- ☐ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

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Printed Name: Aaron PachlhoferTitle: Environmental Coordinator

Signature: _____

Date: 5/22/19email: aaronp@forl.com

Telephone: _____

OCD Only

Received by: _____

Date: _____

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Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

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Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12NMAC.

Closure Report Attachment Checklist: Each of the following items must be included in the closure report.

- ☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☐ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____



6101 Holiday Hill Road
Midland, TX 79707
(432) 687-1777
(432) 687-1570 (FAX)

June 28, 2019

Victoria Venegas
Environmental Specialist
OCD – Artesia District
1301 W Grand Ave
Artesia, NM 88210

Work Plan: 2RP-5447 – Gossett Battery Spill Site Characterization and Work Plan

Ms. Venegas,

On May 20, 2019 a spill occurred at the Fasken Oil and Ranch (Fasken) Gossett '20' 3H battery when a valve on the injection line failed. The battery is located at 32.558008°, -104.498731°. During the spill, 90 barrels of produced water was released and no crude oil was released. 75 barrels of produced water was recovered according to Fasken operations personnel. The spill was primarily confined within the firewall, but some produced water escaped onto the caliche pad of the battery. No pasture was affected.

Delineation Sampling

Two samples were collected within the firewall of the battery where the produced water pooled to characterize the chlorides in the shallow soil. Pea gravel within the firewall was moved out and a sample was collected. A second sample was collected at the same location at approximately 8 inches below the first sample. Laboratory analysis for S-1 0" contains 14,100 mg/kg chloride and S-1 8" contains 11,300 mg/kg chloride.

Potential Receptors

According to the New Mexico State Engineer's Office, two water wells RA-05038 and RA-10618 are located within 1/2 mile of the battery at 32.558647°, -104.506138° and are shown to be owned by Ronald Houghtailing. Based on aerial photos, these coordinates appear accurate. The depth to water is deeper than 200 feet below ground surface in both wells.

The closest surface water is Brantley Lake, over 5 miles to the east.

There are no homes or occupied structures within 1 mile of the release.

There are no other potential receptors such as a lakebed, sinkhole, playa lake, continually flowing watercourse, spring, fresh water well, or subsurface mine that have been identified within the distances specified on form C-141.

WORK PLAN

Portions of the improved caliche location were affected by the release. The surrounding pasture was unaffected. According to the depth to water (>200 feet BGS) and no receptors present, the clean-up requirements are benzene – 10 mg/kg, BTEX – 50 mg/kg, TPH – 2,500 mg/kg, and chlorides – 20,000 mg/kg.

Since the soil samples that were collected were lower in chlorides than the OCD spill rule clean-up requirements, Fasken will remove chloride affected caliche from the improved well pad that is visually affected by produced water (i.e. has crusted salt). These soils will be disposed at a properly licensed disposal facility. Following excavation, new caliche will be backfilled as needed. The interior of the firewall will not be addressed since it is below 20,000 mg/kg chlorides and there is extensive buried piping. One excavation location will be vertically delineated to 600 mg/kg chlorides.

Sample Collection

Following removal of visually affected caliche, Fasken will collect confirmation samples from all areas of the well pad that soils are removed. All samples collected will be field screened for chlorides to ensure that chloride affected caliche above 20,000 mg/kg has been removed. Fasken will collect one sample for BTEX/TPH analysis. Laboratory samples will be analyzed for chlorides by EPA method 300.0, BTEX by EPA Methods 8021B, and TPH by EPA Method 8015M.

The location of all samples collected will be recorded. Sample locations will be plotted on an aerial photo and included with the Site Characterization report. Confirmation samples will be collected as described below in each excavation area. Samples will be identified by the color of their collection area (green, blue, red, etc)

REPORT PREPARATION

A Site Characterization Report will be prepared and submitted for review. The report will include a description of all onsite activities, an aerial photo based site plan with sample collection locations, photographic documentation, and copies of all laboratory reports. Closure will be requested as appropriate. If for any reason closure cannot be requested, a remediation plan will be submitted.

If there are any questions or comments, please do not hesitate to contact Aaron Pachlhofer at the letterhead address or 432-687-1777 or aaronp@forl.com.

Thank You,

Aaron Pachlhofer, P.G.
Environmental Coordinator