

From: Aaron Pachlhofer
To: [Weaver, Crystal, EMNRD](#)
Cc: [Bratcher, Mike, EMNRD](#)
Subject: RE: Fasken Oil and Ranch * Gossett "20" #3H Battery release on 4/12/17 * 2RP-4176
Date: Thursday, May 4, 2017 2:08:44 PM
Attachments: [image001.png](#)
[C-141 updated.pdf](#)
[well report.pdf](#)

Crystal,

You were quite right. It is private surface. Attached is a revised C-141 with the property owner listed.

Also attached is a well report for depth to water and the nearest water wells. The requested searched radius was 2,000 meters. It appears that the nearest well is located around 2,000 feet away (630 meters), and that well has a depth to water of 314 feet. A well further away shows a depth to water of 80 feet, but the location of the well would need to be confirmed—I plot this well in the middle of a well pad that is approximately 20 to 25 feet lower (by USGS topo) than the elevation of my battery where the spill occurred. I feel that this point is very important because this area has a lot of topographic relief.

Finally, I have attached an image of the spill area with an outline of the affected area overlain. Both sample locations are noted.

Regarding a plan for clean up:

Please refer to the image for both sampling locations. It is quite clear that chlorides are not an issue. This spill occurred during the middle of a violent storm that deposited approximately 2 inches of rain (and large hail) during it's short duration--the ground was already saturated when the spill occurred. Regardless, I am trying to determine how saline the produced water is at this battery. The issue at hand is the small amount of oil that was lost. The spill was contained within the battery, except for a small 5' x 10' mist that stained vegetation but not the ground. Inside the firewall is pea gravel that has a fair amount of oil on it. The area at S-2 is the low point inside the battery where the oil settled as the fluids were vacuumed from the contained after the spill was discovered. According to my sample results, there is not an issue below 1' (not including pea gravel thickness). Fasken will remove and dispose (or attenuate on onsite) the pea gravel and any heavily stained soil below the pea gravel. Since we have samples below 5,000 mg/kg TPH and less than 10 mg/kg BTEX further sampling is not needed.

I will forward pictures of the removal and replacement of the pea gravel (and addition of clean soil as needed). As noted above, we would like to allow the waste material to remediate onsite. It will be placed on plastic and turned periodically to help natural attenuation.

If you like, I am happy to meet you onsite, just let me know when I can meeting you there...probably about a 30 minute drive from Artesia....

Thanks,



Aaron Pachlhofer, P.G.
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From: Weaver, Crystal, EMNRD [mailto:Crystal.Weaver@state.nm.us]
Sent: Thursday, April 27, 2017 5:04 PM
To: Aaron Pachlhofer <aaronp@forl.com>
Cc: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Subject: Fasken Oil and Ranch * Gossett "20" #3H Battery release on 4/12/17 * 2RP-4176

RE: Fasken Oil and Ranch * Gossett "20" #3H Battery release on 4/12/17 * 2RP-4176 * 30-015-39349

Aaron,

Hey there may I ask that you please make sure to tag both Mike Bratcher and myself on all environmental correspondence to OCD District II.

You have on your C-141 that this spill occurred on state land. When I look up the coordinates you provided I show that it is on Private surface. Can you please let us know which is correct and if the coordinates are not correct then can we get the corrected ones please. Also if this spill is on state surface then the state land office representative Amber Groves would need to be notified of this spill - agroves@slo.state.nm.us

I have included a scanned copy of the signed Initial C-141 Remediation Permit along with an attached Conditions of Approval. The OCD tracking number for this event is 2RP-4176.

Thank you,

Crystal Weaver

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