

**From:** Aaron Pachlhofer  
**To:** [Yu, Olivia, EMNRD](#); [Groves, Amber](#)  
**Subject:** FW: Report and invoice for Quail State 16  
**Date:** Friday, October 13, 2017 3:52:03 PM  
**Attachments:** image001.png

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I think this may be the last email I sent to Jamie Keyes.

Please note that adjacent to the well head means inside of the small metal fence around the well head...basically inside the cellar.



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Environmental Coordinator  
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**From:** Aaron Pachlhofer  
**Sent:** Friday, April 15, 2016 4:26 PM  
**To:** Keyes, Jamie, EMNRD <[Jamie.Keyes@state.nm.us](mailto:Jamie.Keyes@state.nm.us)>  
**Subject:** RE: Report and invoice for Quail State 16

Jamie,

Thanks for the phone call. As we discussed, sample S1 is adjacent to the well head. We feel that additional sampling at this location is a safety issue, and we would prefer not to dig deeper. We will handle further work in this area when the well is P&A'd.

With respect to the shallow affected soil: We have scraped the affected soil and stockpiled them onsite. As we discussed, I would like to use the soil to bolster existing topography that has prevented spills from migrating offsite. I will collect a composite sample for chlorides. If the sample is lower than 1,000 mg/kg chlorides, we will re-use the soil onsite.

Thanks,



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**From:** Keyes, Jamie, EMNRD [<mailto:Jamie.Keyes@state.nm.us>]  
**Sent:** Friday, April 15, 2016 10:32 AM  
**To:** Aaron Pachlhofer <[aaronp@forl.com](mailto:aaronp@forl.com)>  
**Subject:** RE: Report and invoice for Quail State 16

Aaron,

Thank you for the analytical results. The area of SP1 at 1' is still above RRALs. That area will need to delineated further until chlorides are 250ppm or less. Also, would it be possible to get a map of the site with the sample locations on it?

Thank you,

Jamie

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**From:** Aaron Pachlhofer [<mailto:aaronp@forl.com>]  
**Sent:** Friday, April 15, 2016 7:31 AM  
**To:** Keyes, Jamie, EMNRD  
**Subject:** FW: Report and invoice for Quail State 16

Jamie,

Please see the attached lab report. I collected 6 samples at three locations....one set at the surface, and another approximately one foot down.



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**From:** Brent Barron [<mailto:brentbarron@pbelab.com>]  
**Sent:** Thursday, April 14, 2016 8:07 AM  
**To:** Aaron Pachlhofer <[aaronp@forl.com](mailto:aaronp@forl.com)>; Sara Gotcher <[sara@pbelab.com](mailto:sara@pbelab.com)>  
**Subject:** Report and invoice for Quail State 16

Complete! !'m about to head to Austin to torture my body Saturday and Sunday on the bike ride... If you have samples today or tomorrow can you drop them by the lab? Or I can pick them up Monday... If I'm still alive! LOL

Have a good weekend!

--

Brent Barron  
Technical Director  
Permian Basin Environmental Lab, LP  
Office: 432-686-7235  
Cell: 432-661-4184

Please take time to fill out our survey if you are one of our Clients!

<https://www.surveymonkey.com/r/GWKDG3P>

**From:** Groves, Amber  
**To:** [Aaron Pachhofer- Oberding, Tomas, EMNRD](#)  
**Cc:** [Yu, Olivia, EMNRD](#)  
**Subject:** RE: Report and invoice for Quail State 16  
**Date:** Tuesday, May 16, 2017 9:36:43 AM  
**Attachments:** image003.png  
image005.png  
image006.png  
image001.png

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Aaron,

I am hoping that I can get an update on the status of the two grab samples from the berm. Also, I just want to make sure, the further delineation that was requested by Jaime Keys will not be completed?

Thank you,

**Amber Groves**

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*Field Operations Division*  
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**From:** Aaron Pachhofer [mailto:[aaronp@forl.com](mailto:aaronp@forl.com)]  
**Sent:** Thursday, April 06, 2017 3:11 PM  
**To:** Groves, Amber <[agroves@slo.state.nm.us](mailto:agroves@slo.state.nm.us)>; Oberding, Tomas, EMNRD <[Tomas.Oberding@state.nm.us](mailto:Tomas.Oberding@state.nm.us)>  
**Subject:** FW: Report and invoice for Quail State 16

Amber,

Please find my last communication with you on this subject below. Please also note that this was also my last communication with Jaime Keyes about this spill—he did not comment of respond further. I checked with Tomas Oberding to see if he had any communication from Jaime after my last email to him on April 15, 2016, but he does not. Tomas and I discussed the spill and the sample results. As per our discussion, I will collect two grab samples from the berm and submit for chlorides. I anticipate that I will collect these samples next week.

The lab report is included as an attachment.



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**From:** Aaron Pachhofer  
**Sent:** Monday, May 16, 2016 10:53 AM  
**To:** Groves, Amber <[agroves@slo.state.nm.us](mailto:agroves@slo.state.nm.us)>  
**Subject:** FW: Report and invoice for Quail State 16

Amber, here is the spill area outlined with sample locations as I sent it to Jamie Keyes. As you can see, the release went to the edge of our pad, but not into the pasture. Sample results showed that the S1 location was elevated for chlorides, but the others were fairly low. Since the drainage of the area is to the east, we have re-used the affected soil to ensure the any potential future release does not leave the pad by building a berm on the eastern edge of the pad.

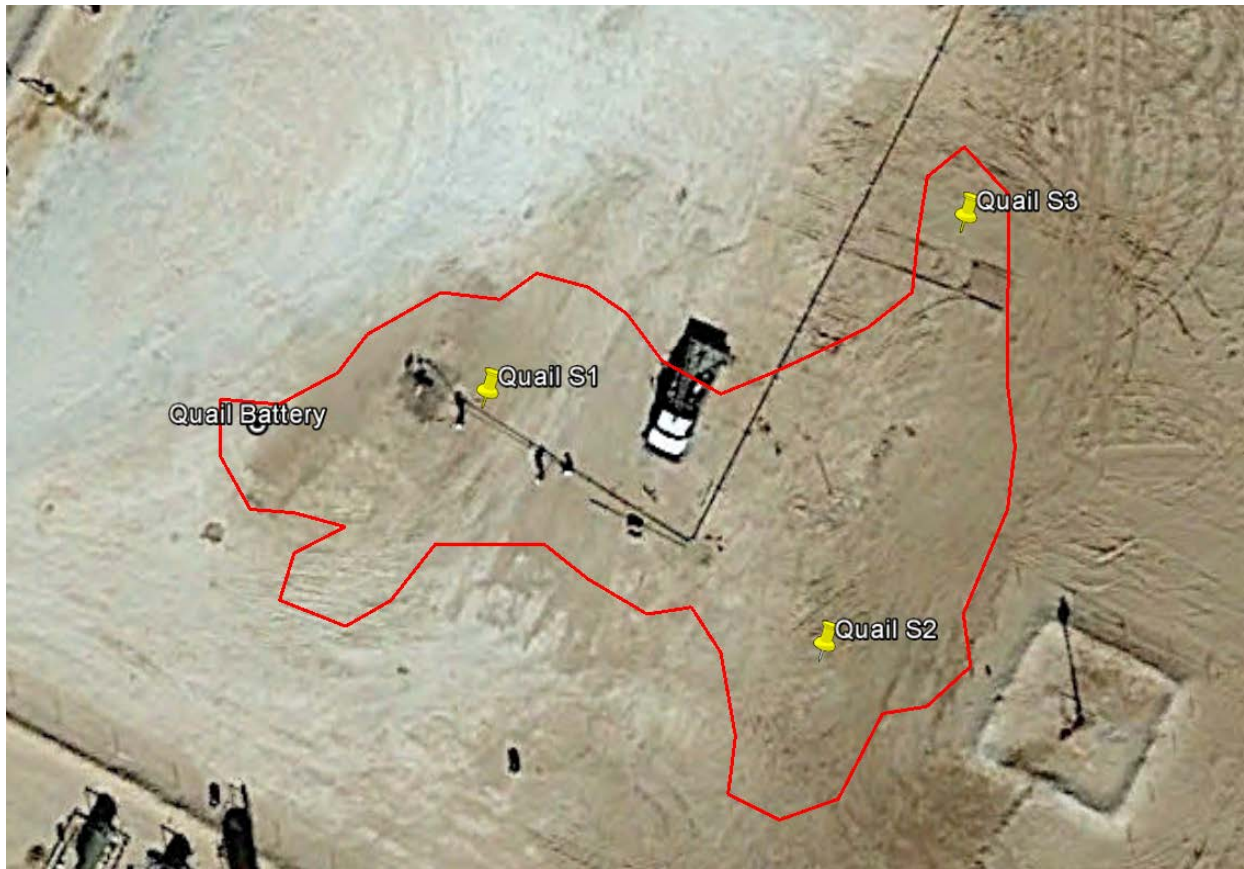


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**From:** Aaron Pachhofer  
**Sent:** Friday, April 15, 2016 4:09 PM  
**To:** Keyes, Jamie, EMNRD <[Jamie.Keyes@state.nm.us](mailto:Jamie.Keyes@state.nm.us)>  
**Subject:** RE: Report and invoice for Quail State 16

Here is an outline of the spill and sample locations captured with my GPS.



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**Sent:** Thursday, April 14, 2016 8:07 AM  
**To:** Aaron Pachlhofer <[aaronp@forl.com](mailto:aaronp@forl.com)>; Sara Gotcher <[sara@pbelab.com](mailto:sara@pbelab.com)>  
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