

**From:** [Goodbar, James](#)  
**To:** [Randall Hicks](#)  
**Cc:** [Bratcher, Mike, EMNRD](#); [Patterson, Heather, EMNRD](#); [Cody Layton](#); [Aaron Stockton](#); [Travis\\_Samford@oxy.com](#); [David\\_Allen2@oxy.com](#); [Robert\\_Holcomb@oxy.com](#); [mike@rthicksconsult.com](#); [kristin@rthicksconsult.com](#); [andrew@rthicksconsult.com](#); [Linsay\\_Earle@oxy.com](#); [Larry\\_Gorzell@oxy.com](#); [Teresa\\_Jackson@oxy.com](#); [William\\_Calhoun@oxy.com](#); [Jim\\_Wilson@oxy.com](#); [david\\_stewart@oxy.com](#); [david@rthicksconsult.com](#)  
**Subject:** Re: Oxy - Peaches 19 Federal 4H -  
**Date:** Monday, August 03, 2015 11:28:36 AM

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Randy - Good to talk with you this morning. This is to confirm our conversation of Monday, August 3, 2015 that the BLM will not approve any buried pits associated with any wells in high karst potential areas. In high and critical karst areas all cuttings and fluids must be hauled off. Further, the boring of any test holes will not be necessary or permitted either.

For any questions concerning cave or karst resources please do not hesitate to contact me. Jim

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Jim Goodbar  
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On Fri, Jul 31, 2015 at 1:35 PM, Randall Hicks <[r@rthicksconsult.com](mailto:r@rthicksconsult.com)> wrote:

Mr. Goodbar:

Per my voice mail, Cody Layton indicated that any type of pit or burial trench in a mapped High Cave/Karst Potential area will need to be reviewed by you or your designate. I have been contacting Aaron - but Cody set me straight that you would be taking the helm on steering the BLM ship through this passage.

In order to avoid clogging the email of the folks copied on this email, I am sending you the permit package in the next email.

Please note that we are trying to set up a field trip to the site next Thursday, August 6th as we plan to conduct geologic logging of the conductor pipe boring on that day. We hope that BLM and OCD might be able to come look at the site when I am there to provide a bit of a tour.

Two more emails are heading your way - the last of which will be the permit application previously submitted to Cody and Aaron.

Have a good weekend.

Randall Hicks  
R.T. Hicks Consultants  
Cell: 505-238-9515  
Office: 505-266-5004

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

From: Randall Hicks [mailto:[r@rthicksconsult.com](mailto:r@rthicksconsult.com)]

Sent: Friday, July 24, 2015 4:04 PM

To: Bratcher, Mike, EMNRD; Patterson, Heather, EMNRD; [clayton@blm.gov](mailto:clayton@blm.gov); [astockto@blm.gov](mailto:astockto@blm.gov)

Cc: [Travis\\_Samford@oxy.com](mailto:Travis_Samford@oxy.com); [David\\_Allen2@oxy.com](mailto:David_Allen2@oxy.com); [Robert\\_Holcomb@oxy.com](mailto:Robert_Holcomb@oxy.com); [mike@rthicksconsult.com](mailto:mike@rthicksconsult.com); [kristin@rthicksconsult.com](mailto:kristin@rthicksconsult.com); [andrew@rthicksconsult.com](mailto:andrew@rthicksconsult.com); [Linsay\\_Earle@oxy.com](mailto:Linsay_Earle@oxy.com); [Larry\\_Gorzell@oxy.com](mailto:Larry_Gorzell@oxy.com); [Teresa\\_Jackson@oxy.com](mailto:Teresa_Jackson@oxy.com); [William\\_Calhoun@oxy.com](mailto:William_Calhoun@oxy.com); [Jim\\_Wilson@oxy.com](mailto:Jim_Wilson@oxy.com); [david\\_stewart@oxy.com](mailto:david_stewart@oxy.com); [david@rthicksconsult.com](mailto:david@rthicksconsult.com)

Subject: RE: Oxy - Peaches 19 Federal 4H -

All

I have taken the liberty of transmitting this permit application to Aaron Stockton of BLM because this location lies in an area mapped as high karst potential. While we are requesting to permit a temporary pit - this is not the standard fluid-filled reserve pit. The transmittal letter provides a reasonable executive summary. Fluids will not be stored in this pit for more than 4 days. Fluids are placed in the pit for a short time for two reasons

1. To distribute the solids on the bottom of the pit more evenly and
2. To facilitate recycling of fluids.

The application will be placed in US Mail to OCD on Monday and a Sundry notice for this pit has been submitted to BLM.

We will notify OCD and BLM when we plan to log the auger hole associated with the conductor pipe at this location. We anticipate that this field program will demonstrate that fresh water does not exist within 50-feet of the bottom of the pit. During this field program, it may be a good time for BLM to dispatch a karst expert to examine the area for any evidence that would preclude the use of a pit. OCD may wish to examine the erosional features near the pit that do not meet the definition of a watercourse under OCD Rules.

If, after field examination, BLM or OCD is more comfortable with a burial trench at this location rather than this type of pit, we should talk about it.

Thanks for your attention to this application.

>

> Randall Hicks

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