

**STATE OF  
COLORADO**

Andrews - DNR, Doug &lt;doug.andrews@state.co.us&gt;

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**COGCC Form 2A review for Whiting O&G Corp's Razor 11F Pad location - DOc #400499205**

7 messages

**Andrews - DNR, Doug** <doug.andrews@state.co.us>

Tue, Nov 12, 2013 at 11:45 AM

To: erin.ekblad@whiting.com

Erin,

I have reviewed the referenced Form 2A Oil & Gas Location Assessment and have the following comments.

1) In the Drilling Waste Management Program section of the Form 2A you have indicated that cutting disposal will be by "Bioremediation see attachment". However, there is no attachment with the Form 2A detailing the bioremediation process. Please send me this attachment and I will add it to the Form 2A.

2) Your Hydrology Map shows two unlabeled streams that are within a 1,000 foot radius of the oil and gas location. In the future you must include both the distance and approximate bearing of all surface water features within 1,000 feet of the oil and gas location on your Hydrology Map.

3) You have given an estimated depth to groundwater at the oil and gas location of 125 feet; however, you have not provided the basis for this determination. Please provide me with how you estimated the 125 foot depth to groundwater

4) Due to the proximity of the two surface water features shown on both your Location Drawing and Hydrology Map, I would like to add the following Condition of Approval:

"Operator must implement site-specific best management practices in accordance with good engineering practices, including, but not limited to, construction of a berm or diversion dike, site grading, or other comparable measures, sufficient to protect the two intermittent streams located 209 feet east and 400 feet east of the oil and gas location from a release of drilling, completion, produced fluids, and chemical products."

Please comply with these requests by December 12, 2013. If you have any questions, please feel free to contact me. Thank you.

—

*Doug Andrews*

Oil & Gas Location Assessment Specialist - Northeast Area  
Colorado Oil & Gas Conservation Commission  
1120 Lincoln St., Suite 801  
Denver, CO 80203

[doug.andrews@state.co.us](mailto:doug.andrews@state.co.us)  
303-894-2100 Ext. 5180

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**Erin Ekblad** <erin.ekblad@whiting.com>

Fri, Nov 15, 2013 at 10:00 AM

To: "Andrews - DNR, Doug" &lt;doug.andrews@state.co.us&gt;

Hi Doug

Is it ok to go and make corrections to this 2 A form then?



**Erin Ekblad**  
Regulatory Contractor  
**Contractor for Whiting Oil and Gas Corporation**  
1700 Broadway, Suite 2300  
Denver, CO 80290  
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**From:** Andrews - DNR, Doug [mailto:[doug.andrews@state.co.us](mailto:doug.andrews@state.co.us)]  
**Sent:** Tuesday, November 12, 2013 11:45 AM  
**To:** Erin Ekblad  
**Subject:** COGCC Form 2A review for Whiting O&G Corp's Razor 11F Pad location - DOc #400499205

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**Andrews - DNR, Doug** <[doug.andrews@state.co.us](mailto:doug.andrews@state.co.us)>  
To: Erin Ekblad <[erin.ekblad@whiting.com](mailto:erin.ekblad@whiting.com)>

Fri, Nov 15, 2013 at 11:19 AM

Erin,

For my email to you on Nov. 12 for this location, you need to provide me with the requested info for #1 & #3 and let me know if Whiting is ok with the COA in #4.

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**Erin Ekblad** <[erin.ekblad@whiting.com](mailto:erin.ekblad@whiting.com)>  
To: "Andrews - DNR, Doug" <[doug.andrews@state.co.us](mailto:doug.andrews@state.co.us)>

Fri, Nov 15, 2013 at 11:24 AM

Hi Doug,

I was not sure if you were sending this back for me to edit, but it looks like it is all on hold.

- 1) Bioremediation attachment, attached to this email.
- 2) For the future Hydrology Maps, I let our consulting company know about the Maps.

3) **Permit:** 277509- TIMBRO RANCH & CATTLE CO LLC Estimated Depth should be 200 ft. And Distance to this permit, is 4,462 feet

4) COA is OK, do I need to add this to each of our Form 2'S for this pad?

5) Also the lease information was incorrect, it looks like the Land rep gave me information that did not cover the surface hole area for all 8 wells. Please replace with the below:

T10N R57W, 6th P.M.

Section 07: W2NE

T10N R58W, 6th P.M.

Section 01: Lot 1 (40.04), Lot 2 (40.12), Lot 3 (40.20), Lot 4 (40.28), S2N2, S2

Section 02: Lot 1 (40.36), Lot 2 (40.46), Lot 3 (40.54), S2NE, E2,SW, W2SE, SENW

Section 11: E2NW, W2NE

Section 12: NE



**Erin Ekblad**

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**From:** Andrews - DNR, Doug [mailto:[doug.andrews@state.co.us](mailto:doug.andrews@state.co.us)]

**Sent:** Tuesday, November 12, 2013 11:45 AM

**To:** Erin Ekblad

**Subject:** COGCC Form 2A review for Whiting O&G Corp's Razor 11F Pad location - DOc #400499205

Erin,

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**Colorado remediation and testing protocol Rev 8-22-13.pdf**



362K

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**Erin Ekblad** <erin.ekblad@whiting.com>

Fri, Nov 15, 2013 at 11:27 AM

To: Diane Blair &lt;diane.blair@whiting.com&gt;, Scott Webb &lt;ScottW@whiting.com&gt;

Cc: "Andrews - DNR, Doug (doug.andrews@state.co.us)" &lt;doug.andrews@state.co.us&gt;

Hi Scott and Diane,

Is Whiting OK with the following COA, just to confirm, please reply all when you have a chance to review this so that Doug can send along this 2A through the submission process?

Due to the proximity of the two surface water features shown on both your Location Drawing and Hydrology Map, I would like to add the following Condition of Approval:

"Operator must implement site-specific best management practices in accordance with good engineering practices, including, but not limited to, construction of a berm or diversion dike, site grading, or other comparable measures, sufficient to protect the two intermittent streams located 209 feet east and 400 feet east of the oil and gas location from a release of drilling, completion, produced fluids, and chemical products."

Thank you!

Erin Ekblad

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**Erin Ekblad** <erin.ekblad@whiting.com>

Fri, Nov 15, 2013 at 11:28 AM

To: "Andrews - DNR, Doug" &lt;doug.andrews@state.co.us&gt;

Scott at Whiting is not here today and I know he reviewed the COA, but he never stated if he is OK with it yet, so let's wait until Monday or if he reads this email today.

Thank you so much

**Erin Ekblad**

Regulatory Contractor

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**From:** Andrews - DNR, Doug [mailto:[doug.andrews@state.co.us](mailto:doug.andrews@state.co.us)]

**Sent:** Friday, November 15, 2013 11:20 AM

**To:** Erin Ekblad

**Subject:** Re: COGCC Form 2A review for Whiting O&G Corp's Razor 11F Pad location - DOc #400499205

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**Erin Ekblad** <[erin.ekblad@whiting.com](mailto:erin.ekblad@whiting.com)>

Mon, Nov 18, 2013 at 1:38 PM

To: "Andrews - DNR, Doug ([doug.andrews@state.co.us](mailto:doug.andrews@state.co.us))" <[doug.andrews@state.co.us](mailto:doug.andrews@state.co.us)>

Hi Doug,

Scott and Whiting are both OK with the COA.



**Erin Ekblad**

Regulatory Contractor

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**From:** Scott Webb

**Sent:** Monday, November 18, 2013 12:41 PM

**To:** Erin Ekblad

**Subject:** RE: COGCC Form 2A review for Whiting O&G Corp's Razor 11F Pad location - DOc #400499205

Yes it is OK to add that, I will note it upon distribution.

**Scott Webb**

Regulatory and Permitting Manager

**Whiting Petroleum Corporation**

*and its wholly owned subsidiary*

**Whiting Oil and Gas Corporation**

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**From:** Erin Ekblad**Sent:** Friday, November 15, 2013 11:27 AM**To:** Diane Blair; Scott Webb**Cc:** Andrews - DNR, Doug ([doug.andrews@state.co.us](mailto:doug.andrews@state.co.us))**Subject:** FW: COGCC Form 2A review for Whiting O&G Corp's Razor 11F Pad location - DOc #400499205

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