

STATE OF  
COLORADO

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

**COGCC Form 2A review of Whiting's Razor 27KW Pad location - Doc #401149720**

4 messages

**Andrews - DNR, Doug** <doug.andrews@state.co.us>  
To: Michael Brown <ml\_brown@bresnan.net>

Fri, Feb 17, 2017 at 2:10 PM

Michael,

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

- 1) In the Construction section you have indicated the size of the disturbed area during construction will be 5.32 acres and after interim reclamation will be 4.1 acres. This is excessive for a single well with no production facilities and does not comply with COGCC Rule 1002.e. - Surface disturbance minimization. From the Location Drawing, it appears Whiting may ultimately place nine wells on this location. While this amount of surface disturbance would be reasonable for a nine well pad, it is not for a single well. Please consider revising the size of the disturbed area to drill a single well at this time.
- 2) In the Water Resources section you have indicated the estimated depth to groundwater is 160 feet based on water well permit #9913. While this water well does appear to be the closest, it does not appear to be representative of how shallow groundwater may be in this area. The next closest water well (Permit #78166) was drilled to a shallower depth and has a reported static water level of 37 feet. Therefore, I would like to change the estimated depth to groundwater from 160 feet to 37 feet.
- 3) In the Water Resources section you have indicated the nearest downgradient surface water feature is 426 feet. At this distance it should be identified on the Hydrology Map. Please revise the Hydrology Map to include the bearing and distance to this surface water feature.

Please respond to this correspondence by March 17, 2017. If you have any questions, please contact me. Thank you.

*Doug Andrews*

Oil &amp; Gas Location Assessment Specialist - Northeast Colorado

**COLORADO**  
Oil & Gas Conservation  
Commission  
Department of Natural Resources

1120 Lincoln St., Suite 801  
Denver, CO 80203  
[doug.andrews@state.co.us](mailto:doug.andrews@state.co.us)  
303-894-2100 Ext. 5180

**Michael L. Brown** <ml\_brown@bresnan.net>  
To: "Andrews - DNR, Doug" <doug.andrews@state.co.us>

Wed, Feb 22, 2017 at 9:53 AM

Doug,

See below and attached revised hydrology map.

Thanks,  
Michael L. Brown  
[307-237-9310](tel:307-237-9310)

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

**From:** Andrews - DNR, Doug

**To:** Michael Brown

**Sent:** Friday, February 17, 2017 2:10 PM

**Subject:** COGCC Form 2A review of Whiting's Razor 27KW Pad location - Doc #401149720

Michael,

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

1) In the Construction section you have indicated the size of the disturbed area during construction will be 5.32 acres and after interim reclamation will be 4.1 acres. This is excessive for a single well with no production facilities and does not comply with COGCC Rule 1002.e. - Surface disturbance minimization. From the Location Drawing, it appears Whiting may ultimately place nine wells on this location. While this amount of surface disturbance would be reasonable for a nine well pad, it is not for a single well. Please consider revising the size of the disturbed area to drill a single well at this time. **Change to 2.1**

2) In the Water Resources section you have indicated the estimated depth to groundwater is 160 feet based on water well permit #9913. While this water well does appear to be the closest, it does not appear to be representative of how shallow groundwater may be in this area. The next closest water well (Permit #78166) was drilled to a shallower depth and has a reported static water level of 37 feet. Therefore, I would like to change the estimated depth to groundwater from 160 feet to 37 feet.

**OK**

3) In the Water Resources section you have indicated the nearest downgradient surface water feature is 426 feet. At this distance it should be identified on the Hydrology Map. Please revise the Hydrology Map to include the bearing and distance to this surface water feature. **See attached**

Please respond to this correspondence by March 17, 2017. If you have any questions, please contact me. Thank you.

*Doug Andrews*

Oil & Gas Location Assessment Specialist - Northeast Colorado



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Denver, CO 80203

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 **Hydrology map revised.pdf**  
27K

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

To: "Michael L. Brown" <ml\_brown@bresnan.net>

Wed, Feb 22, 2017 at 10:01 AM

Michael,

Is the 2.1 acres during construction? If so, what will be the after interim reclamation size?

*Doug Andrews*

Oil & Gas Location Assessment Specialist - Northeast Colorado



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**Michael L. Brown** <[ml\\_brown@bresnan.net](mailto:ml_brown@bresnan.net)>  
To: "Andrews - DNR, Doug" <[doug.andrews@state.co.us](mailto:doug.andrews@state.co.us)>

Wed, Feb 22, 2017 at 10:20 AM

Doug,

It will be 5.32 during construction and 2.1 for reclamation of a single well.

----- Original Message -----  
**From:** Andrews - DNR, Doug  
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