

STATE OF  
COLORADO

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

**COGCC Form 2A review of Noble Energy's J29-06 Pad location - Doc #401152420**

4 messages

**Andrews - DNR, Doug** <doug.andrews@state.co.us>  
To: Jan Kajiware <jan.kajiware@nblenergy.com>

Tue, Feb 21, 2017 at 1:56 PM

Jan,

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

1) In the Cultural Setback Distance section you have indicated the nearest Building is 1,987 feet away and the nearest Building Unit is 2,148 feet away. However, during my review I identified a house approximately 1,750 feet southeast of the nearest proposed well. See the attached screenshot. Therefore, I would like to change the distance to the nearest Building and Building Unit to 1,750 feet.



2) In the Water Resources section you have indicated the nearest water well (Permit #15313) is 150 feet away. At this distance, a water well should be identified on your Location Drawing. As no water well is identified on the Location Drawing, I believe water well Permit #15313 is erroneously spotted by the Colorado DWR. The next nearest water well (Permit #296445) is spotted approximately 1,800 feet to the southwest of the closest proposed well. See the attached screenshot. This water well permit indicates its location was supplied by the user. Therefore, I would like to change the distance to the nearest water well to 1,800 feet.



3) In the Water Resources section you have indicated the estimated depth to groundwater is 123 feet. Neither the originally indicated nearest water well nor my proposed alternate nearest water well list a static water level. So this estimated depth seems strange as the estimated depth to groundwater for Noble Energy's nearby J29-03 Multi location to the north is 10 feet. The difference in ground surface elevation between these two proposed Oil & Gas Locations is only 5 feet. Given this, it seem very unlikely there is over 100 feet difference in the groundwater level. Please provide additional information as to how an estimated depth to groundwater of 123 feet was determined.

Please respond to this correspondence by March 21, 2017. If you have any questions, please contact me. Thank you.

**Doug Andrews**

Oil & Gas Location Assessment Specialist - Northeast Colorado



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

**Jan Kajiwara** <Jan.Kajiwara@nblenergy.com>  
 To: "Andrews - DNR, Doug" <doug.andrews@state.co.us>  
 Cc: Sherri Robbins <Sherri.Robbins@nblenergy.com>

Wed, Feb 22, 2017 at 11:18 AM

Doug

Answers below in orange. Please let me know if you have any other questions.

Thanks

Jan

Jan Kajiware

Regulatory Analyst III

EHSR

1625 Broadway Suite 2200  
Direct: 303.228.4092 | Cell: 720.351.7600

New email: [jan.kajiware@nblenergy.com](mailto:jan.kajiware@nblenergy.com)



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

**Sent:** Tuesday, February 21, 2017 1:56 PM

**To:** Jan Kajiware <[Jan.Kajiware@nblenergy.com](mailto:Jan.Kajiware@nblenergy.com)>

**Subject:** EXTERNAL: COGCC Form 2A review of Noble Energy's J29-06 Pad location - Doc #401152420

Jan,

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

1) In the Cultural Setback Distance section you have indicated the nearest Building is 1,987 feet away and the nearest Building Unit is 2,148 feet away. However, during my review I identified a house approximately 1,750 feet southeast of the nearest proposed well. See the attached screenshot. Therefore, I would like to change the distance to the nearest Building and Building Unit to 1,750 feet.

**Please change distance to 1750'.**





2) In the Water Resources section you have indicated the nearest water well (Permit #15313) is 150 feet away. At this distance, a water well should be identified on your Location Drawing. As no water well is identified on the Location Drawing, I believe water well Permit #15313 is erroneously spotted by the Colorado DWR. The next nearest water well (Permit #296445) is spotted approximately 1,800 feet to the southwest of the closest proposed well. See the attached screenshot. This water well permit indicates its location was supplied by the user. Therefore, I would like to change the distance to the nearest water well to 1,800 feet. **Please change distance to 1800'.**



3) In the Water Resources section you have indicated the estimated depth to groundwater is 123 feet. Neither the originally indicated nearest water well nor my proposed alternate nearest water well list a static water level. So this estimated depth seems strange as the estimated depth to groundwater for Noble Energy's nearby J29-03 Multi location to the north is 10 feet. The difference in ground surface elevation between these two proposed Oil & Gas Locations is only 5 feet. Given this, it seem very unlikely there is over 100 feet difference in the groundwater level. Please provide additional information as to how an estimated depth to groundwater of 123 feet was determined. **There is a water well that is approx. 2400' W Permit Number 261054 with a SWL of 125**

Please respond to this correspondence by March 21, 2017. If you have any questions, please contact me. Thank you.

*Doug Andrews*

Oil & Gas Location Assessment Specialist - Northeast Colorado



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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**Andrews - DNR, Doug** <doug.andrews@state.co.us>  
To: Jan Kajiware <Jan.Kajiware@nblenergy.com>  
Cc: Sherri Robbins <Sherri.Robbins@nblenergy.com>

Wed, Feb 22, 2017 at 11:43 AM

Jan,

Water well permit #261054 was drilled to a depth of 440 feet and screened from 200 to 440 feet below ground surface. So a static water level of 125 feet is likely not representative of how shallow groundwater is in this area. Especially given the estimated depth to groundwater of 10 feet for the nearby J29-03 Multi location is based on a water well that was drilled to a depth of just 20 feet. Our records also indicate the Fox Hills aquifer is extremely shallow in this area. Based on this I don't think an estimated depth to groundwater of 123 feet is accurate. The groundwater table may be deeper than 10 feet, but I suspect it is closer to 10 feet in depth than 123 feet in depth in this area.

*Doug Andrews*

Oil & 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

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**Jan Kajiware** <[Jan.Kajiware@nblenergy.com](mailto:Jan.Kajiware@nblenergy.com)>  
To: "Andrews - DNR, Doug" <[doug.andrews@state.co.us](mailto:doug.andrews@state.co.us)>  
Cc: Sherri Robbins <[Sherri.Robbins@nblenergy.com](mailto:Sherri.Robbins@nblenergy.com)>

Mon, Feb 27, 2017 at 3:27 PM

Doug

Please change to 10'.

Thanks

Jan

Jan Kajiware  
Regulatory Analyst III  
EHSR

1625 Broadway Suite 2200  
Direct: [303.228.4092](tel:303.228.4092) | Cell: [720.351.7600](tel:720.351.7600)

New email: [jan.kajiware@nblenergy.com](mailto:jan.kajiware@nblenergy.com)



**From:** Andrews - DNR, Doug [mailto:[doug.andrews@state.co.us](mailto:doug.andrews@state.co.us)]  
**Sent:** Wednesday, February 22, 2017 11:44 AM  
**To:** Jan Kajiware <[Jan.Kajiware@nblenergy.com](mailto:Jan.Kajiware@nblenergy.com)>  
**Cc:** Sherri Robbins <[Sherri.Robbins@nblenergy.com](mailto:Sherri.Robbins@nblenergy.com)>  
**Subject:** EXTERNAL: Re: COGCC Form 2A review of Noble Energy's J29-06 Pad location - Doc #401152420

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