

STATE OF  
COLORADO

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

---

**COGCC Form 2A review of Great Western's Leffler FE Pad location - Doc #400885770**2 messages

---

**Andrews - DNR, Doug** <doug.andrews@state.co.us>  
To: Regulatory Permitting <regulatorypermitting@gwogco.com>

Thu, Sep 24, 2015 at 10:20 AM

Allison &amp; Callie,

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

- 1) In the Facilities section you have indicated there will be 15 wells on this proposed oil and gas location. However, your Multi-Well Plan only show 13 wells. Although the Location Drawing shows the remaining two being referred to as Open Slot A & B, it is important that the information on the Form 2A agrees with the accompanying attachments, especially for Designated Setback locations. Therefore I would like to change the number of wells in the Facilities section from 15 to 13.
- 2) In the Cultural Distance section you have indicated the nearest Building and Building Unit to a well is 916 feet and 967 feet, respectively. However, a review of your Location Drawing indicates the nearest Building is 834 feet (Line L4 on the Line Table) and the nearest Building Unit is 855 feet (Line L6 on the Line Table) from the nearest well (Leffler FE 20-182HN). The distance of 855 feet to the nearest Building Unit also agrees with what is indicated in the Siting Rationale. Therefore, I would like to change these two distances to match what is shown on the Location Drawing and Siting Rationale.
- 3) In the Exceptions section you have checked the Rule 604.a.(1)A Exception Location box. However, Rule 604.a.(1)A concerns Exception Locations in an Urban Mitigation Area. This proposed oil and gas location, while in an Exception Zone, is not within an Urban Mitigation Area. Therefore, I would like to uncheck that Exception box.
- 4) Your Noise mitigation Best Management Practice (BMP) only mentions mitigating noise from the drilling rig and completion equipment. However, you have indicated there will be two gas compressors on this proposed oil and gas locations and appear to be within 1,000 feet of the nearest Building Unit. Therefore, please provide me with a revised Noise mitigation BMP that addresses how Great Western will mitigate noise from these compressors.
- 5) Because this proposed oil and gas location is on irrigated crop land, the Reference Area Map & Reference Area Pictures attachments are not required. Therefore, I would like to remove them from the Form 2A.

Please respond to this correspondence by October 24, 2015. If you have any questions, please contact me. Thank you.

***Doug Andrews***

Oil &amp; Gas Location Assessment Specialist - Northeast Area



**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

---

**Regulatory Permitting** <regulatorypermitting@gwogco.com>  
To: "Andrews - DNR, Doug" <doug.andrews@state.co.us>, Regulatory Permitting  
<regulatorypermitting@gwogco.com>

Mon, Sep 28, 2015 at 4:03 PM

- 1.) We have been told to include and not to include open slots in the well count. Sorry for the confusion we will not include them moving forward. This change is ok.
- 2.) You are correct. This change is ok.
- 3.) You are Correct. This change is ok.
- 4.) During the drilling phase, Great Western plans to construct sound/visual walls that will be placed along the Northern, Southern, Eastern and Western edges of the pad. This will also assist to block out any lighting from nearby occupied structures. Where possible, drilling rig and completion equipment engine exhaust will be directed away from occupied buildings. Sealed tanks with pressure relief valves and emissions controls will also be utilized during the production phase.
- 5.) This is okay to remove.

Let me know if you need any other information



**Allison Linz**

Regulatory&Permitting Technician  
Great Western Operating Company, LLC  
1801 Broadway, Suite 500  
Denver, CO 80202  
Direct: [303.398.0355](tel:303.398.0355)  
Cell: [913.314.2270](tel:913.314.2270)

Fax: 866.742.1784

*Privileged / Confidential information may be contained in this message. This information is intended solely for use by the individual entity named as the recipient. If you are not the intended recipient, be aware that any disclosure, copying, distribution, or use of the contents of this communication is prohibited. In such case, you should destroy this communication and notify the sender by reply email.*

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

**Sent:** Thursday, September 24, 2015 10:20 AM

**To:** Regulatory Permitting

**Subject:** COGCC Form 2A review of Great Western's Leffler FE Pad location - Doc #400885770

Allison & Callie,

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

1) In the Facilities section you have indicated there will be 15 wells on this proposed oil and gas location. However, your Multi-Well Plan only show 13 wells. Although the Location Drawing shows the remaining two being referred to as Open Slot A & B, it is important that the information on the Form 2A agrees with the accompanying attachments, especially for Designated Setback locations. Therefore I would like to change the number of wells in the Facilities section from 15 to 13.

2) In the Cultural Distance section you have indicated the nearest Building and Building Unit to a well is 916 feet and 967 feet, respectively. However, a review of your Location Drawing indicates the nearest Building is 834 feet (Line L4 on the Line Table) and the nearest Building Unit is 855 feet (Line L6 on the Line Table) from the nearest well (Leffler FE 20-182HN). The distance of 855 feet to the nearest Building Unit also agrees with what is indicated in the Siting Rationale. Therefore, I would like to change these two distances to match what is shown on the Location Drawing and Siting Rationale.

3) In the Exceptions section you have checked the Rule 604.a.(1)A Exception Location box. However, Rule 604.a.(1)A concerns Exception Locations in an Urban Mitigation Area. This proposed oil and gas location, while in an Exception Zone, is not within an Urban Mitigation Area. Therefore, I would like to uncheck that Exception box.

4) Your Noise mitigation Best Management Practice (BMP) only mentions mitigating noise from the drilling rig and completion equipment. However, you have indicated there will be two gas compressors on this proposed oil and gas locations and appear to be within 1,000 feet of the nearest Building Unit. Therefore, please provide me with a revised Noise mitigation BMP that addresses how Great Western will mitigate noise from these compressors.

5) Because this proposed oil and gas location is on irrigated crop land, the Reference Area Map & Reference Area Pictures attachments are not required. Therefore, I would like to remove them from the Form 2A.

Please respond to this correspondence by October 24, 2015. If you have any questions, please contact me. Thank you.

*Doug Andrews*

Oil & Gas Location Assessment Specialist - Northeast Area



1120 Lincoln St., Suite 801

Denver, CO 80203

[doug.andrews@state.co.us](mailto:doug.andrews@state.co.us)

303-894-2100 Ext. 5180