



STATE OF  
COLORADO

Treitz - DNR, Rebecca <rebecca.treitz@state.co.us>

---

## Northwest B Form 2A - doc no 401525931

6 messages

---

**Treitz - DNR, Rebecca** <rebecca.treitz@state.co.us>  
To: Bonnie Lamond <blamond@extractionog.com>

Thu, Jun 28, 2018 at 4:04 PM

Bonnie,

COGCC is in the process of reviewing the Northwest B Form 2A (doc no 401525931). In order to complete our review, please address the following:

1. I have added the Badger 2A doc numbers to the remote related locations, but it looks like the Northwest A 2A doc number should also be added for this location serving wells at Northwest A?
2. Please provide a beneficial reuse/land application facility ID and more information on the disposal of water based cuttings. The 2A and the waste management plan are inconsistent in regards to water based cuttings.
3. Under the cultural distance section, there appears to be a High Occupancy Building Unit (Prospect Ridge Academy), closer than the 5280 indicated on the 2A for wells and production equipment. Please provide an updated distance to the nearest High Occupancy Building Unit. Based on this information, please provide an updated location drawing with the correct distances.
4. The 2A indicates the location is dryland cropland, but the plant community for NRCS is checked. Please confirm the land use.
6. Under the water resources section, the nearest active well appears to be approximately 1151 feet from the reference area point for water well permit 207178. The depth to groundwater appears to be more shallow from water well permit 47271MH, while abandoned, had a depth to groundwater between 35-50 feet. Please confirm the distance to the nearest water well and the depth to groundwater.
7. The hydrology map appears to have the 1,000 foot buffer from the reference area point and not from the edge of disturbance. Please confirm and provide an updated hydrology map as necessary.
8. This location is in a buffer zone and the public comment period has ended, please provide a 306.e. certification.

Let me know if you have any questions or if you would like to discuss further.

Thank you,

Rebecca

--  
Rebecca Treitz  
Oil and Gas Location Assessment Specialist  
P 303.894.2100 x5173 | F 303.894.2109 |  
1120 Lincoln Street, Suite 801, Denver, CO 80203  
[Rebecca.Treitz@state.co.us](mailto:Rebecca.Treitz@state.co.us) | [www.colorado.gov/cogcc](http://www.colorado.gov/cogcc)

---

**Bonnie Lamond** <blamond@extractionog.com>  
To: "Treitz - DNR, Rebecca" <rebecca.treitz@state.co.us>

Fri, Jun 29, 2018 at 10:18 AM

Hi Rebecca,

See my responses below in blue. Please let me know if you have any questions.

Best,

Bonnie Lamond

Extraction Oil & Gas

370 17<sup>th</sup> Street, Suite 5300

Denver, CO 80202



Direct: (303) 250-9383

[www.extractionog.com](http://www.extractionog.com)

---

**From:** Treitz - DNR, Rebecca <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)>

**Sent:** Thursday, June 28, 2018 4:04 PM

**To:** Bonnie Lamond <[blamond@extractionog.com](mailto:blamond@extractionog.com)>

**Subject:** Northwest B Form 2A - doc no 401525931

Bonnie,

COGCC is in the process of reviewing the Northwest B Form 2A (doc no 401525931). In order to complete our review, please address the following:

1. I have added the Badger 2A doc numbers to the remote related locations, but it looks like the Northwest A 2A doc number should also be added for this location serving wells at Northwest A? Correct, please add the Northwest A doc number as well.
2. Please provide a beneficial reuse/land application facility ID and more information on the disposal of water based cuttings. The 2A and the waste management plan are inconsistent in regards to water based cuttings. Extraction plans to dispose fluids offsite to a commercial disposal, as stated on the permit. The oil-based cuttings will be disposed of similarly and the water-based cuttings may be applied to the land application, facility ID 449314. Both disposal methods may be used for the water-based cuttings.
3. Under the cultural distance section, there appears to be a High Occupancy Building Unit (Prospect Ridge Academy), closer than the 5280 indicated on the 2A for wells and production equipment. Please provide an updated distance to the nearest High Occupancy Building Unit. Based on this information, please provide an updated location drawing with the correct distances. 4304'; location drawing with updated distance to the nearest High Occupancy Building Unit attached.

4. The 2A indicates the location is dryland cropland, but the plant community for NRCS is checked. Please confirm the land use. Land use should remain dryland cropland. Plant community section should be unchecked.

6. Under the water resources section, the nearest active well appears to be approximately 1151 feet from the reference area point for water well permit 207178. The depth to groundwater appears to be more shallow from water well permit 47271MH, while abandoned, had a depth to groundwater between 35-50 feet. Please confirm the distance to the nearest water well and the depth to groundwater.

Distance to nearest water well:

MH-047271 MW-5, which is no longer active, is 894' away with a depth of 50'

7. The hydrology map appears to have the 1,000 foot buffer from the reference area point and not from the edge of disturbance. Please confirm and provide an updated hydrology map as necessary. Updated Hydrology Map attached.

8. This location is in a buffer zone and the public comment period has ended, please provide a 306.e. certification. Attached.

Let me know if you have any questions or if you would like to discuss further.

Thank you,

Rebecca

--

Rebecca Treitz

Oil and Gas Location Assessment Specialist

P 303.894.2100 x5173 | F 303.894.2109 |

1120 Lincoln Street, Suite 801, Denver, CO 80203

[Rebecca.Treitz@state.co.us](mailto:Rebecca.Treitz@state.co.us) | [www.colorado.gov/cogcc](http://www.colorado.gov/cogcc)

---

### 3 attachments



**306 e Certification Letter to The Director NWB.pdf**

116K



**EXT01S68W09-02 (NORTHWEST B) - 2A LOCATION.PDF**

11822K



**EXT01S68W09-02 (NORTHWEST B) - 2A HYDRO.PDF**

2420K

---

**Treitz - DNR, Rebecca** <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)>

Mon, Jul 2, 2018 at 5:33 PM

To: Bonnie Lamond <[blamond@extractionog.com](mailto:blamond@extractionog.com)>, "Garrison - DNR, Penny" <[penny.garrison@state.co.us](mailto:penny.garrison@state.co.us)>

Thanks Bonnie,

I have added the attachments. For the distance to the High Occupancy building unit, please provide a distance from the nearest well and the production equipment. This information will also need to be updated on the 2s.

I am going through the BMPs next.

Thanks,  
Rebecca

[Quoted text hidden]

---

**Treitz - DNR, Rebecca** <rebecca.treitz@state.co.us>  
To: Bonnie Lamond <blamond@extractionog.com>

Tue, Jul 3, 2018 at 3:28 PM

Bonnie,  
I have gone through the BMPs for the Northwest B and updated to match the Livingston pad. Will the location be automated and have the SSV system as referenced in BMP #15 and 16 on the Livingston location?

Thanks,  
Rebecca

[Quoted text hidden]

---

**Bonnie Lamond** <blamond@extractionog.com>  
To: "Treitz - DNR, Rebecca" <rebecca.treitz@state.co.us>

Tue, Jul 3, 2018 at 4:35 PM

Yes.

---

**From:** Treitz - DNR, Rebecca <rebecca.treitz@state.co.us>  
**Sent:** Tuesday, July 3, 2018 15:29  
**Subject:** Re: Northwest B Form 2A - doc no 401525931  
**To:** Bonnie Lamond <blamond@extractionog.com>

[Quoted text hidden]

---

**Bonnie Lamond** <blamond@extractionog.com>  
To: "Treitz - DNR, Rebecca" <rebecca.treitz@state.co.us>, "Garrison - DNR, Penny" <penny.garrison@state.co.us>

Thu, Jul 5, 2018 at 10:16 AM

Hope you had a great 4<sup>th</sup>!

The distance from the nearest High Occupancy Building Unit to:

1. Nearest well: **4,304'**; and
2. Nearest production equipment: **4,238'**

I will work with permitting to ensure the High Occupancy Building Unit distances are updated.

Thank you,

Bonnie

---

**From:** Treitz - DNR, Rebecca <rebecca.treitz@state.co.us>  
**Sent:** Monday, July 2, 2018 5:33 PM  
**To:** Bonnie Lamond <blamond@extractionog.com>; Garrison - DNR, Penny <penny.garrison@state.co.us>  
**Subject:** Re: Northwest B Form 2A - doc no 401525931

[Quoted text hidden]