



STATE OF  
COLORADO

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

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## Interchange A and B 2A doc no 4014771000

3 messages

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**Treitz - DNR, Rebecca** <rebecca.treitz@state.co.us>  
To: Alyssa Andrews <aandrews@extractionog.com>

Tue, Feb 27, 2018 at 4:55 PM

Alyssa,

COGCC is in the process of reviewing the Form 2A for the Interchange A and B Pad location (doc no 401477000). In order for us to complete our review, please address the following:

1. The location does not have a remote related location for production and adequate production for oil and gas. Please provide information regarding storage or piping of oil, gas, and produced water for the location.
2. The 2A indicates the location is rangeland. Please provide reference area photos taken during the growing season.
3. Under the cultural distance information, there appears to be an in-home daycare, which is considered a high occupancy building unit at 971 W. 149<sup>th</sup> Ave Broomfield, which maybe closer than what is indicated on the 2A. Please confirm the nearest high occupancy building unit.
4. The Above Ground Utility appears to be located to the east of the location and closer than what is indicated on the 2A. Please confirm the distance to the nearest high occupancy building unit.
5. For the NRCS, there are three listed and 4 attachments. Please confirm the NRCS map units or if one needs to be added to the comments section of the 2A.
6. For the Water resources, a ditch 33 feet away is considered a sensitive environment, as well as another ditch and a flood plain to the south. With your concurrence I will change the sensitive area from "no" to "yes." Please provide a BMP for the protection of surface water.
7. For the depth to water, water well permit 32175 approximately 2165 feet to the southwest has a screened casing between 20 and 70 feet, as well as water well permit 76348 approximately 2400 feet to the southwest has a screened casing between 32 and 106 feet. Both of these wells would indicate the depth to water is less than 630 feet as indicated on the 2A. Please provide a more accurate depth to water.

Please let me know if you have questions or would like to discuss any of the above further.

Thank you,

Rebecca

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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)

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**Alyssa Andrews** <aandrews@extractionog.com>  
To: "rebecca.treitz@state.co.us" <rebecca.treitz@state.co.us>

Tue, Mar 6, 2018 at 11:19 AM

Hi Rebecca,

Please see my responses below for the Interchange A & B pad. I will still need to provide you with answers to #3 & #4.

For #4 are you talking about the electric pedestal we show on the location drawing?

Thanks,

**Alyssa Andrews**

*Regulatory Analyst*



Direct: (720) 481-2379

Cell: (425) 652-2811

[aandrews@ExtractionOG.com](mailto:aandrews@ExtractionOG.com)

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

**Sent:** Tuesday, February 27, 2018 4:55 PM

**To:** Alyssa Andrews <[aandrews@extractionog.com](mailto:aandrews@extractionog.com)>

**Subject:** Interchange A and B 2A doc no 4014771000

Alyssa,

COGCC is in the process of reviewing the Form 2A for the Interchange A and B Pad location (doc no 401477000). In order for us to complete our review, please address the following:

1. The location does not have a remote related location for production and adequate production for oil and gas. Please provide information regarding storage or piping of oil, gas, and produced water for the location.

The off-site production of oil and gas will be collected in a pipeline gathering system and will flow to a Central Gathering Facility that is currently being permitted in Section 30 of Township 1N - Range 67W. The Central Gathering Facility is actively being permitted through multiple regulatory agencies.

A document number will be provided shortly for the permit to the Central Gathering Facility.

2. The 2A indicates the location is rangeland. Please provide reference area photos taken during the growing season.

Please change the current and future land use to "Dry Land"

3. Under the cultural distance information, there appears to be an in-home daycare, which is considered a high occupancy building unit at 971 W. 149<sup>th</sup> Ave Broomfield, which may be closer than what is indicated on

the 2A. Please confirm the nearest high occupancy building unit.

Waiting to be confirmed by survey company.

4. The Above Ground Utility appears to be located to the east of the location and closer than what is indicated on the 2A. Please confirm the distance to the nearest high occupancy building unit.

Question from survey company: Are you talking about the electric pedestal we show on the location drawing?

5. For the NRCS, there are three listed and 4 attachments. Please confirm the NRCS map units or if one needs to be added to the comments section of the 2A.

One needs to be added to the comment section. Please add.

6. For the Water resources, a ditch 33 feet away is considered a sensitive environment, as well as another ditch and a flood plain to the south. With your concurrence I will change the sensitive area from "no" to "yes." Please provide a BMP for the protection of surface water.

- Please change to "yes".
- All process vessels will have secondary containment
- The oil, gas, and water during the production phase will be gathered with a pipeline. There will be no permanent storage tanks
- Please see the attached Stormwater and Management plans for Interchange A & B. Operator will comply with all BMPs on the Stormwater and Management Plan.

7. For the depth to water, water well permit 32175 approximately 2165 feet to the southwest has a screened casing between 20 and 70 feet, as well as water well permit 76348 approximately 2400 feet to the southwest has a screened casing between 32 and 106 feet. Both of these wells would indicate the depth to water is less than 630 feet as indicated on the 2A. Please provide a more accurate depth to water.

- Please use 36' for the depth to water. Permit #93695 located approximately 1500' SW of the pad provides this depth to water.

Please let me know if you have questions or would like to discuss any of the above 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)

**2 attachments**

 **Interchange A SWMPs.pdf**  
1851K

 **Interchange B - SWMPs.pdf**  
1823K

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**Alyssa Andrews** <aandrews@extractionog.com>  
To: "rebecca.treitz@state.co.us" <rebecca.treitz@state.co.us>

Mon, Mar 12, 2018 at 11:04 AM

Hi Rebecca,

Here are the answers to the remaining questions:

3) The revised distance to the HOBUs is 4513' from the nearest well and 5116' from the nearest piece of production equipment. Please see the updated location drawing attached.

4) The revised distance to the AGUs is 233' from the nearest well and 399' from the nearest piece of production equipment. Please see the updated location drawing attached.

Thanks,

**Alyssa Andrews**

*Regulatory Analyst*



Direct: (720) 481-2379

Cell: (425) 652-2811

[aandrews@ExtractionOG.com](mailto:aandrews@ExtractionOG.com)

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**From:** Alyssa Andrews  
**Sent:** Tuesday, March 6, 2018 11:19 AM  
**To:** 'rebecca.treitz@state.co.us' <rebecca.treitz@state.co.us>  
**Subject:** FW: Interchange A and B 2A doc no 4014771000

Hi Rebecca,

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Thanks,

**Alyssa Andrews**

*Regulatory Analyst*



Direct: (720) 481-2379

Cell: (425) 652-2811

[aandrews@ExtractionOG.com](mailto:aandrews@ExtractionOG.com)

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

**Sent:** Tuesday, February 27, 2018 4:55 PM

**To:** Alyssa Andrews <[aandrews@extractionog.com](mailto:aandrews@extractionog.com)>

**Subject:** Interchange A and B 2A doc no 4014771000

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Thank you,

Rebecca

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Rebecca Treitz

Oil and Gas Location Assessment Specialist

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1120 Lincoln Street, Suite 801, Denver, CO 80203



**EXT01S68W10-03 (INTERCHANGE) - 2A LOCATION DRAWING 3-8-18.pdf**  
12569K