



STATE OF
COLORADO

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

United location doc no 401524109

6 messages

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

Mon, Jun 25, 2018 at 2:04 PM

Bonnie,

COGCC is in the process of reviewing the Extraction United pad Form 2A (doc no 401524109). In order to complete our review, please address the following:

1. For the Waste Management, the 2A indicates Commercial Disposal and the waste management plan has beneficial reuse/land application for water based cuttings. Please provide more information on the disposal of water based cuttings and fluids as either a comment or update the Waste Management Plan to cover both water based and oil based fluids and cuttings disposal.
2. Under the plant Community, NRCS and plant species are checked and the location is indicated as dryland cropland. With your concurrence, I will uncheck the plant community information.
3. Under the water resources, the nearest water well has a depth to water at 170 feet, but a monitoring well approximately 500 feet west of the location has a depth of 15 feet. With your concurrence, I will update the depth to water to 15 feet.
4. Under the BMP section, please clarify or provide further information on the following:
 - a. BMP #1 has there will not be a fence surrounding the location. Will there be any access restrictions for the location?
 - b. BMP #4 for flammable materials, please add information regarding flammable liquids per Rule 606.A.d.
 - c. BMP #10 references annual inspection and per discussions with Broomfield, bi-annual flowline testing will occur. Please confirm this BMP is correct or provide an updated BMP regarding the flowline testing.
 - d. BMP #13 (lighting) and #17 (noise) both reference the sound walls at the location, but are not consistent for placement of the 32 foot walls. Please reconcile the difference between the two BMPs and if there will be sound walls also to the west for the residence approximately 1500 feet to the west.
5. Please provide a 306.e. certification as the public comment period has ended.

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 | www.colorado.gov/cogcc

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

Thu, Jun 28, 2018 at 1:23 PM

Hi Rebecca,

Please see the following responses listed below. I just had one question regarding #4.b.

Thank you,

Bonnie Lamond

Extraction Oil & Gas

370 17th Street, Suite 5300

Denver, CO 80202



Direct: (303) 250-9383

www.extractionog.com

From: Treitz - DNR, Rebecca <rebecca.treitz@state.co.us>
Sent: Monday, June 25, 2018 2:04 PM
To: Bonnie Lamond <blamond@extractionog.com>
Subject: United location doc no 401524109

Bonnie,

COGCC is in the process of reviewing the Extraction United pad Form 2A (doc no 401524109). In order to complete our review, please address the following:

1. For the Waste Management, the 2A indicates Commercial Disposal and the waste management plan has beneficial reuse/land application for water based cuttings. Please provide more information on the disposal of water based cuttings and fluids as either a comment or update the Waste Management Plan to cover both water based and oil based fluids and cuttings disposal. 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.
2. Under the plant Community, NRCS and plant species are checked and the location is indicated as dryland cropland. With your concurrence, I will uncheck the plant community information. OK
3. Under the water resources, the nearest water well has a depth to water at 170 feet, but a monitoring well approximately 500 feet west of the location has a depth of 15 feet. With your concurrence, I will update the depth to water to 15 feet. OK
4. Under the BMP section, please clarify or provide further information on the following:
 - a. BMP #1 has there will not be a fence surrounding the location. Will there be any access restrictions for the location? The subject location will be adequately fenced to restrict access by unauthorized persons.
 - b. BMP #4 for flammable materials, please add information regarding flammable liquids per Rule 606.A.d. This is a standard BMP for all of our pads in the basin. We'd like to keep the BMP the same,

consistent with the Livingston. Perhaps you can you elaborate on what additional information you'd like to see?

c. BMP #10 references annual inspection and per discussions with Broomfield, bi-annual flowline testing will occur. Please confirm this BMP is correct or provide an updated BMP regarding the flowline testing. Bi-annual flowline testing will occur only at the Livingston pad due to its proximity to the future reservoir.

d. BMP #13 (lighting) and #17 (noise) both reference the sound walls at the location, but are not consistent for placement of the 32 foot walls. Please reconcile the difference between the two BMPs and if there will be sound walls alos to the west for the residence approximately 1500 feet to the west. Please remove BMP #17 as it's 1) incorrect and 2) explained correctly in BMP #13

5. Please provide a 306.e. certification as the public comment period has ended. [Attached](#)

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 | www.colorado.gov/cogcc

 **306 e Certification Letter to The Director.pdf**
115K

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

Mon, Jul 2, 2018 at 1:45 PM

Bonnie,

For clarification, I am not comfortable removing BMP #17 as it is the noise mitigation BMP, but will the sound walls be around the entire facility or only on the northeast corner?

I will keep the flammable liquids the same as the Livingston.

Can you please check the cultural distance from the nearest well to the nearest high occupancy building unit (Prospect Ridge Academy High School)?

For the nearest water well, on the Location Drawing, it looks like it is under the production equipment. Is this water well still active? Was it field verified? It is listed on the 2A as the nearest, but the distance should be 0 feet. If it is still there, COGCC will need more information on protection of this water well.

Thanks,
Rebecca

[Quoted text hidden]

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

Mon, Jul 2, 2018 at 4:44 PM

Working on this now. Hope to have it to you in the next few days, but with the Holiday, it may be towards the end of the week.

Thank you,

Bonnie

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

Sent: Monday, July 2, 2018 1:45 PM

To: Bonnie Lamond <blamond@extractionog.com>

Subject: Re: United location doc no 401524109

[Quoted text hidden]

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

Mon, Jul 2, 2018 at 4:46 PM

To: Bonnie Lamond <blamond@extractionog.com>

OK, thanks.

[Quoted text hidden]

Bonnie Lamond <blamond@extractionog.com>

Mon, Jul 9, 2018 at 1:54 PM

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

Hi Rebecca,

Please see my responses to your questions below in blue. Let me know if you have any other questions or concerns.

Thanks,

Bonnie Lamond

Extraction Oil & Gas

370 17th Street, Suite 5300

Denver, CO 80202



Direct: (303) 250-9383

www.extractionog.com

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

Sent: Monday, July 2, 2018 1:45 PM

To: Bonnie Lamond <blamond@extractionog.com>

Subject: Re: United location doc no 401524109

Bonnie,

For clarification, I am not comfortable removing BMP #17 as it is the noise mitigation BMP, but will the sound walls be around the entire facility or only on the northeast corner? [There will be sound walls around the entire pad.](#)

I will keep the flammable liquids the same as the Livingston. [OK](#)

Can you please check the cultural distance from the nearest well to the nearest high occupancy building unit (Prospect Ridge Academy High School)? [Updated location drawing attached.](#)

For the nearest water well, on the Location Drawing, it looks like it is under the production equipment. Is this water well still active? Was it field verified? It is listed on the 2A as the nearest, but the distance should be 0 feet. If it is still there, COGCC will need more information on protection of this water well. [The water well is no longer active. There is no evidence of a water well onsite. Our Environmental Coordinator walked the well's coordinates and could not locate its existence. Attached are photos for your reference. Please use updated footages: 302' from well #93573](#)

Thanks,

Rebecca

[Quoted text hidden]

2 attachments

 **Photo log for well DWR_1590957.pdf**
1034K

 **EXT01S68W09-03 (UNITED) - 2A - LOCATION REVISED.PDF**
910K