

**STATE OF  
COLORADO****Treitz - DNR, Rebecca** <rebecca.treitz@state.co.us>

---

## Wuertz locations

14 messages

---

**Treitz - DNR, Rebecca** <rebecca.treitz@state.co.us>  
To: Jeff Berghorn <JBerghorn@verdadoil.com>

Mon, Jan 7, 2019 at 5:06 PM

Jeff,

Per our phone conversation, I will combine the Wuertz facility equipment and information from 2A doc no 401644564 with the Wuertz well pad, 2A doc no 401578885. Then, with your concurrence, I will withdraw the Wuertz Facility, doc no 401644564.

I will add the equipment count, cultural distances, the buffer zone information, and any additional applicable BMPs from the Facility 2A to the well pad 2A.

With your concurrence, I will change the cultural distances from production to the nearest building unit to match the location drawing.

In order to combine the 2As, please provide a total disturbed area and size of the location after interim reclamation.

With your concurrence, I will change the cultural distances from production to the nearest building unit to match the location drawing.

According to the water resource section and the hydrology map, irrigation ditches as surface water are cross the location, please provide information regarding the protection of the surface water on the location.

With your concurrence, I will make sure all of the BMPs for the facility are on the well location. I will also remove downhole BMPs associated with the Form 2s.

Please provide a 306.e. certification for the location and if there has been any communication with the Weld County LGD based on the comment on the 2A.

Please let me know if you have questions or would like to discuss 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)

---

**Jeff Berghorn** <JBerghorn@verdadoil.com>  
To: "Treitz - DNR, Rebecca" <rebecca.treitz@state.co.us>  
Cc: Danny Showers <DShowers@verdadoil.com>

Tue, Jan 8, 2019 at 3:38 PM

Yes, I agree with all of the changes you have requested my approval on.

Total disturbed area post reclamation will be approx. 3.5 acres. Production facility being 250'x250' and the wells being the remainder.

Please add the BMPs to the facility from the well location.

Any irrigation ditch that crosses our location will be re-routed around the pad in order for the landowner to flood irrigate as needed in the future.

Attached is the 306.e Cert for the 2a.

Let me know if I have missed anything.

Thank you,

Jeff

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

**Sent:** Monday, January 07, 2019 5:07 PM

**To:** Jeff Berghorn <[JBerghorn@VerdadOil.com](mailto:JBerghorn@VerdadOil.com)>

**Subject:** Wuertz locations

Jeff,

Per our phone conversation, I will combine the Wuertz facility equipment and information from 2A doc no 401644564 with the Wuertz well pad, 2A doc no 401578885. Then, with your concurrence, I will withdraw the Wuertz Facility, doc no 401644564.

I will add the equipment count, cultural distances, the buffer zone information, and any additional applicable BMPs from the Facility 2A to the well pad 2A.

With your concurrence, I will change the cultural distances from production to the nearest building unit to match the location drawing.

In order to combine the 2As, please provide a total disturbed area and size of the location after interim reclamation.

With your concurrence, I will change the cultural distances from production to the nearest building unit to match the location drawing.

According to the water resource section and the hydrology map, irrigation ditches as surface water are cross the location, please provide information regarding the protection of the surface water on the location.

With your concurrence, I will make sure all of the BMPs for the facility are on the well location. I will also remove downhole BMPs associated with the Form 2s.

Please provide a 306.e. certification for the location and if there has been any communication with the Weld County LGD based on the comment on the 2A.

Please let me know if you have questions or would like to discuss 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)



**306.e Cert Wuertz.pdf**  
39K

---

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

Wed, Jan 9, 2019 at 3:48 PM

To: Jeff Berghorn <[JBerghorn@verdadoil.com](mailto:JBerghorn@verdadoil.com)>

Thanks Jeff,

Were all of Mr. Wuertz's concerns addressed?

Is Verdad planning on Soundwalls around the location? I know the BMP says working with surrounding building unit owners, but is there a minimum site specific noise mitigation method?

Thanks again,  
Rebecca

On Tue, Jan 8, 2019 at 3:38 PM Jeff Berghorn <[JBerghorn@verdadoil.com](mailto:JBerghorn@verdadoil.com)> wrote:

Yes, I agree with all of the changes you have requested my approval on.

Total disturbed area post reclamation will be approx. 3.5 acres. Production facility being 250'x250' and the wells being the remainder.

Please add the BMPs to the facility from the well location.

Any irrigation ditch that crosses our location will be re-routed around the pad in order for the landowner to flood irrigate as needed in the future.

Attached is the 306.e Cert for the 2a.

Let me know if I have missed anything.

Thank you,

Jeff

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

**Sent:** Monday, January 07, 2019 5:07 PM

**To:** Jeff Berghorn <JBerghorn@VerdadOil.com>  
**Subject:** Wuertz locations

Jeff,

Per our phone conversation, I will combine the Wuertz facility equipment and information from 2A doc no 401644564 with the Wuertz well pad, 2A doc no 401578885. Then, with your concurrence, I will withdraw the Wuertz Facility, doc no 401644564.

I will add the equipment count, cultural distances, the buffer zone information, and any additional applicable BMPs from the Facility 2A to the well pad 2A.

With your concurrence, I will change the cultural distances from production to the nearest building unit to match the location drawing.

In order to combine the 2As, please provide a total disturbed area and size of the location after interim reclamation.

With your concurrence, I will change the cultural distances from production to the nearest building unit to match the location drawing.

According to the water resource section and the hydrology map, irrigation ditches as surface water are cross the location, please provide information regarding the protection of the surface water on the location.

With your concurrence, I will make sure all of the BMPs for the facility are on the well location. I will also remove downhole BMPs associated with the Form 2s.

Please provide a 306.e. certification for the location and if there has been any communication with the Weld County LGD based on the comment on the 2A.

Please let me know if you have questions or would like to discuss 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)

--

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)

**Jeff Berghorn** <JBerghorn@verdadoil.com>  
To: "Treitz - DNR, Rebecca" <rebecca.treitz@state.co.us>  
Cc: Danny Showers <DShowers@verdadoil.com>

Wed, Jan 9, 2019 at 3:51 PM

Yes, he more wanted information to what would be happening. I told him to be good neighbors that Verdad would put sound walls on the SE4 of the wellpad and our drilling manager has agreed to comply with this request.

**From:** Treitz - DNR, Rebecca <rebecca.treitz@state.co.us>  
**Sent:** Wednesday, January 09, 2019 3:48 PM  
**To:** Jeff Berghorn <JBerghorn@VerdadOil.com>  
**Subject:** Re: Wuertz locations

Thanks Jeff,

Were all of Mr. Wuertz's concerns addressed?

Is Verdad planning on Soundwalls around the location? I know the BMP says working with surrounding building unit owners, but is there a minimum site specific noise mitigation method?

Thanks again,

Rebecca

On Tue, Jan 8, 2019 at 3:38 PM Jeff Berghorn <JBerghorn@verdadoil.com> wrote:

Yes, I agree with all of the changes you have requested my approval on.

Total disturbed area post reclamation will be approx. 3.5 acres. Production facility being 250'x250' and the wells being the remainder.

Please add the BMPs to the facility from the well location.

Any irrigation ditch that crosses our location will be re-routed around the pad in order for the landowner to flood irrigate as needed in the future.

Attached is the 306.e Cert for the 2a.

Let me know if I have missed anything.

Thank you,

Jeff

**From:** Treitz - DNR, Rebecca <rebecca.treitz@state.co.us>  
**Sent:** Monday, January 07, 2019 5:07 PM

**To:** Jeff Berghorn <[JBerghorn@VerdadOil.com](mailto:JBerghorn@VerdadOil.com)>  
**Subject:** Wuertz locations

Jeff,

Per our phone conversation, I will combine the Wuertz facility equipment and information from 2A doc no 401644564 with the Wuertz well pad, 2A doc no 401578885. Then, with your concurrence, I will withdraw the Wuertz Facility, doc no 401644564.

I will add the equipment count, cultural distances, the buffer zone information, and any additional applicable BMPs from the Facility 2A to the well pad 2A.

With your concurrence, I will change the cultural distances from production to the nearest building unit to match the location drawing.

In order to combine the 2As, please provide a total disturbed area and size of the location after interim reclamation.

With your concurrence, I will change the cultural distances from production to the nearest building unit to match the location drawing.

According to the water resource section and the hydrology map, irrigation ditches as surface water are cross the location, please provide information regarding the protection of the surface water on the location.

With your concurrence, I will make sure all of the BMPs for the facility are on the well location. I will also remove downhole BMPs associated with the Form 2s.

Please provide a 306.e. certification for the location and if there has been any communication with the Weld County LGD based on the comment on the 2A.

Please let me know if you have questions or would like to discuss 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](https://www.colorado.gov/cogcc)

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

--

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)

---

**Treitz - DNR, Rebecca** <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)>  
To: Jeff Berghorn <[JBerghorn@verdadoil.com](mailto:JBerghorn@verdadoil.com)>

Wed, Jan 9, 2019 at 3:52 PM

Great thanks

On Wed, Jan 9, 2019 at 3:51 PM Jeff Berghorn <[JBerghorn@verdadoil.com](mailto:JBerghorn@verdadoil.com)> wrote:

Yes, he more wanted information to what would be happening. I told him to be good neighbors that Verdad would put sound walls on the SE4 of the wellpad and our drilling manager has agreed to comply with this request.

**From:** Treitz - DNR, Rebecca <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)>  
**Sent:** Wednesday, January 09, 2019 3:48 PM  
**To:** Jeff Berghorn <[JBerghorn@VerdadOil.com](mailto:JBerghorn@VerdadOil.com)>  
**Subject:** Re: Wuertz locations

Thanks Jeff,

Were all of Mr. Wuertz's concerns addressed?

Is Verdad planning on Soundwalls around the location? I know the BMP says working with surrounding building unit owners, but is there a minimum site specific noise mitigation method?

Thanks again,

Rebecca

On Tue, Jan 8, 2019 at 3:38 PM Jeff Berghorn <[JBerghorn@verdadoil.com](mailto:JBerghorn@verdadoil.com)> wrote:

Yes, I agree with all of the changes you have requested my approval on.

Total disturbed area post reclamation will be approx. 3.5 acres. Production facility being 250'x250' and the wells being the remainder.

Please add the BMPs to the facility from the well location.

Any irrigation ditch that crosses our location will be re-routed around the pad in order for the landowner to flood irrigate as needed in the future.

Attached is the 306.e Cert for the 2a.

Let me know if I have missed anything.

Thank you,

Jeff

**From:** Treitz - DNR, Rebecca <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)>  
**Sent:** Monday, January 07, 2019 5:07 PM  
**To:** Jeff Berghorn <[JBerghorn@VerdadOil.com](mailto:JBerghorn@VerdadOil.com)>  
**Subject:** Wuertz locations

Jeff,

Per our phone conversation, I will combine the Wuertz facility equipment and information from 2A doc no 401644564 with the Wuertz well pad, 2A doc no 401578885. Then, with your concurrence, I will withdraw the Wuertz Facility, doc no 401644564.

I will add the equipment count, cultural distances, the buffer zone information, and any additional applicable BMPs from the Facility 2A to the well pad 2A.

With your concurrence, I will change the cultural distances from production to the nearest building unit to match the location drawing.

In order to combine the 2As, please provide a total disturbed area and size of the location after interim reclamation.

With your concurrence, I will change the cultural distances from production to the nearest building unit to match the location drawing.

According to the water resource section and the hydrology map, irrigation ditches as surface water are cross the location, please provide information regarding the protection of the surface water on the location.

With your concurrence, I will make sure all of the BMPs for the facility are on the well location. I will also remove downhole BMPs associated with the Form 2s.

Please provide a 306.e. certification for the location and if there has been any communication with the Weld County LGD based on the comment on the 2A.

Please let me know if you have questions or would like to discuss 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)



--

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)

--

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)

---

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

Wed, Jan 9, 2019 at 8:14 PM

To: Jeff Berghorn <[JBerghorn@verdadoil.com](mailto:JBerghorn@verdadoil.com)>

Jeff,

I am working with final review for this location. Was there any communication with the Amen residence, nearest the location?

Thanks,  
Rebecca

On Wed, Jan 9, 2019 at 3:52 PM Treitz - DNR, Rebecca <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)> wrote:  
Great thanks

On Wed, Jan 9, 2019 at 3:51 PM Jeff Berghorn <[JBerghorn@verdadoil.com](mailto:JBerghorn@verdadoil.com)> wrote:

Yes, he more wanted information to what would be happening. I told him to be good neighbors that Verdad would put sound walls on the SE4 of the wellpad and our drilling manager has agreed to comply with this request.

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

**Sent:** Wednesday, January 09, 2019 3:48 PM

**To:** Jeff Berghorn <[JBerghorn@VerdadOil.com](mailto:JBerghorn@VerdadOil.com)>

**Subject:** Re: Wuertz locations

Thanks Jeff,

Were all of Mr. Wuertz's concerns addressed?

Is Verdad planning on Soundwalls around the location? I know the BMP says working with surrounding building unit owners, but is there a minimum site specific noise mitigation method?

Thanks again,

Rebecca

On Tue, Jan 8, 2019 at 3:38 PM Jeff Berghorn <[JBerghorn@verdadoil.com](mailto:JBerghorn@verdadoil.com)> wrote:

Yes, I agree with all of the changes you have requested my approval on.

Total disturbed area post reclamation will be approx. 3.5 acres. Production facility being 250'x250' and the wells being the remainder.

Please add the BMPs to the facility from the well location.

Any irrigation ditch that crosses our location will be re-routed around the pad in order for the landowner to flood irrigate as needed in the future.

Attached is the 306.e Cert for the 2a.

Let me know if I have missed anything.

Thank you,

Jeff

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

**Sent:** Monday, January 07, 2019 5:07 PM

**To:** Jeff Berghorn <[JBerghorn@VerdadOil.com](mailto:JBerghorn@VerdadOil.com)>

**Subject:** Wuertz locations

Jeff,

Per our phone conversation, I will combine the Wuertz facility equipment and information from 2A doc no 401644564 with the Wuertz well pad, 2A doc no 401578885. Then, with your concurrence, I will withdraw the Wuertz Facility, doc no 401644564.

I will add the equipment count, cultural distances, the buffer zone information, and any additional applicable BMPs from the Facility 2A to the well pad 2A.

With your concurrence, I will change the cultural distances from production to the nearest building unit to match the location drawing.

In order to combine the 2As, please provide a total disturbed area and size of the location after interim reclamation.

With your concurrence, I will change the cultural distances from production to the nearest building unit to match the location drawing.

According to the water resource section and the hydrology map, irrigation ditches as surface water are cross the location, please provide information regarding the protection of the surface water on the location.

With your concurrence, I will make sure all of the BMPs for the facility are on the well location. I will also remove downhole BMPs associated with the Form 2s.

Please provide a 306.e. certification for the location and if there has been any communication with the Weld County LGD based on the comment on the 2A.

Please let me know if you have questions or would like to discuss 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)

--

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)

--

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)

--

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)

---

**Jeff Berghorn** <[JBerghorn@verdadoil.com](mailto:JBerghorn@verdadoil.com)>

Wed, Jan 9, 2019 at 8:32 PM

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

I talk to Joe and Sandra Amen frequently as they own the property where Verdad drilled one of our first wells. They made no requests or objections on this wellpad.

On Jan 9, 2019, at 8:15 PM, Treitz - DNR, Rebecca <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)> wrote:

Jeff,

I am working with final review for this location. Was there any communication with the Amen residence, nearest the location?

Thanks,  
Rebecca

On Wed, Jan 9, 2019 at 3:52 PM Treitz - DNR, Rebecca <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)> wrote:  
Great thanks

On Wed, Jan 9, 2019 at 3:51 PM Jeff Berghorn <[JBerghorn@verdadoil.com](mailto:JBerghorn@verdadoil.com)> wrote:

Yes, he more wanted information to what would be happening. I told him to be good neighbors that Verdad would put sound walls on the SE4 of the wellpad and our drilling manager has agreed to comply with this request.

**From:** Treitz - DNR, Rebecca <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)>  
**Sent:** Wednesday, January 09, 2019 3:48 PM  
**To:** Jeff Berghorn <[JBerghorn@VerdadOil.com](mailto:JBerghorn@VerdadOil.com)>  
**Subject:** Re: Wuertz locations

Thanks Jeff,

Were all of Mr. Wuertz's concerns addressed?

Is Verdad planning on Soundwalls around the location? I know the BMP says working with surrounding building unit owners, but is there a minimum site specific noise mitigation method?

Thanks again,

Rebecca

On Tue, Jan 8, 2019 at 3:38 PM Jeff Berghorn <[JBerghorn@verdadoil.com](mailto:JBerghorn@verdadoil.com)> wrote:

Yes, I agree with all of the changes you have requested my approval on.

Total disturbed area post reclamation will be approx. 3.5 acres. Production facility being 250'x250' and the wells being the remainder.

Please add the BMPs to the facility from the well location.

Any irrigation ditch that crosses our location will be re-routed around the pad in order for the landowner to flood irrigate as needed in the future.

Attached is the 306.e Cert for the 2a.

Let me know if I have missed anything.

Thank you,

Jeff

**From:** Treitz - DNR, Rebecca <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)>  
**Sent:** Monday, January 07, 2019 5:07 PM  
**To:** Jeff Berghorn <[JBerghorn@VerdadOil.com](mailto:JBerghorn@VerdadOil.com)>  
**Subject:** Wuertz locations

Jeff,

Per our phone conversation, I will combine the Wuertz facility equipment and information from 2A doc no 401644564 with the Wuertz well pad, 2A doc no 401578885. Then, with your concurrence, I will withdraw the Wuertz Facility, doc no 401644564.

I will add the equipment count, cultural distances, the buffer zone information, and any additional applicable BMPs from the Facility 2A to the well pad 2A.

With your concurrence, I will change the cultural distances from production to the nearest building unit to match the location drawing.

In order to combine the 2As, please provide a total disturbed area and size of the location after interim reclamation.

With your concurrence, I will change the cultural distances from production to the nearest building unit to match the location drawing.

According to the water resource section and the hydrology map, irrigation ditches as surface water are cross the location, please provide information regarding the protection of the surface water on the location.

With your concurrence, I will make sure all of the BMPs for the facility are on the well location. I will also remove downhole BMPs associated with the Form 2s.

Please provide a 306.e. certification for the location and if there has been any communication with the Weld County LGD based on the comment on the 2A.

Please let me know if you have questions or would like to discuss 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](https://www.colorado.gov/cogcc)

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

--

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)

--

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)

--

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)

---

**Jeff Berghorn** <[JBerghorn@verdadoil.com](mailto:JBerghorn@verdadoil.com)>  
To: "Treitz - DNR, Rebecca" <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)>

Wed, Jan 16, 2019 at 9:47 AM

Hey Rebecca,

I wanted to see if you needed anything else from me on this one. If not, I am wondering if you have a timeframe of when the 2A will be passed your approval and onto Laurel for final approval. This will be the next pad that we move to after the HDI KF that we are currently drilling on.

Thank you for all of the help.

Jeff

---

**From:** Jeff Berghorn <[JBerghorn@VerdadOil.com](mailto:JBerghorn@VerdadOil.com)>  
**Sent:** Wednesday, January 09, 2019 8:33 PM  
**To:** Treitz - DNR, Rebecca <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)>  
**Subject:** Re: Wuertz locations

I talk to Joe and Sandra Amen frequently as they own the property where Verdad drilled one of our first wells. They made no requests or objections on this wellpad.

On Jan 9, 2019, at 8:15 PM, Treitz - DNR, Rebecca <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)> wrote:

Jeff,

I am working with final review for this location. Was there any communication with the Amen residence, nearest the location?

Thanks,  
Rebecca

On Wed, Jan 9, 2019 at 3:52 PM Treitz - DNR, Rebecca <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)> wrote:

Great thanks

On Wed, Jan 9, 2019 at 3:51 PM Jeff Berghorn <[JBerghorn@verdadoil.com](mailto:JBerghorn@verdadoil.com)> wrote:

Yes, he more wanted information to what would be happening. I told him to be good neighbors that Verdad would put sound walls on the SE4 of the wellpad and our drilling manager has agreed to comply with this request.

**From:** Treitz - DNR, Rebecca <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)>  
**Sent:** Wednesday, January 09, 2019 3:48 PM  
**To:** Jeff Berghorn <[JBerghorn@VerdadOil.com](mailto:JBerghorn@VerdadOil.com)>  
**Subject:** Re: Wuertz locations

Thanks Jeff,

Were all of Mr. Wuertz's concerns addressed?

Is Verdad planning on Soundwalls around the location? I know the BMP says working with surrounding building unit owners, but is there a minimum site specific noise mitigation method?

Thanks again,  
Rebecca

On Tue, Jan 8, 2019 at 3:38 PM Jeff Berghorn <[JBerghorn@verdadoil.com](mailto:JBerghorn@verdadoil.com)> wrote:

Yes, I agree with all of the changes you have requested my approval on.

Total disturbed area post reclamation will be approx. 3.5 acres. Production facility being 250'x250' and the wells being the remainder.

Please add the BMPs to the facility from the well location.

Any irrigation ditch that crosses our location will be re-routed around the pad in order for the landowner to flood irrigate as needed in the future.

Attached is the 306.e Cert for the 2a.

Let me know if I have missed anything.

Thank you,

Jeff

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

**Sent:** Monday, January 07, 2019 5:07 PM

**To:** Jeff Berghorn <[JBerghorn@VerdadOil.com](mailto:JBerghorn@VerdadOil.com)>

**Subject:** Wuertz locations

Jeff,

Per our phone conversation, I will combine the Wuertz facility equipment and information from 2A doc no 401644564 with the Wuertz well pad, 2A doc no 401578885. Then, with your concurrence, I will withdraw the Wuertz Facility, doc no 401644564.

I will add the equipment count, cultural distances, the buffer zone information, and any additional applicable BMPs from the Facility 2A to the well pad 2A.

With your concurrence, I will change the cultural distances from production to the nearest building unit to match the location drawing.

In order to combine the 2As, please provide a total disturbed area and size of the location after interim reclamation.

With your concurrence, I will change the cultural distances from production to the nearest building unit to match the location drawing.

According to the water resource section and the hydrology map, irrigation ditches as surface water are cross the location, please provide information regarding the protection of the surface water on the location.

With your concurrence, I will make sure all of the BMPs for the facility are on the well location. I will also remove downhole BMPs associated with the Form 2s.

Please provide a 306.e. certification for the location and if there has been any communication with the Weld County LGD based on the comment on the 2A.

Please let me know if you have questions or would like to discuss 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)

--

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)

--

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)

--

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)

---

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

Wed, Jan 16, 2019 at 3:19 PM

To: Jeff Berghorn <[JBerghorn@verdadoil.com](mailto:JBerghorn@verdadoil.com)>

Jeff,

I have sent it to Final review. I will ask them where they are at with it.

Thanks,  
Rebecca

On Wed, Jan 16, 2019 at 9:47 AM Jeff Berghorn <[JBerghorn@verdadoil.com](mailto:JBerghorn@verdadoil.com)> wrote:

Hey Rebecca,

I wanted to see if you needed anything else from me on this one. If not, I am wondering if you have a timeframe of when the 2A will be passed your approval and onto Laurel for final approval. This will be the next pad that we move to after the HDI KF that we are currently drilling on.

Thank you for all of the help.

Jeff

---

**From:** Jeff Berghorn <JBerghorn@VerdadOil.com>  
**Sent:** Wednesday, January 09, 2019 8:33 PM  
**To:** Treitz - DNR, Rebecca <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)>  
**Subject:** Re: Wuertz locations

I talk to Joe and Sandra Amen frequently as they own the property where Verdad drilled one of our first wells. They made no requests or objections on this wellpad.

On Jan 9, 2019, at 8:15 PM, Treitz - DNR, Rebecca <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)> wrote:

Jeff,

I am working with final review for this location. Was there any communication with the Amen residence, nearest the location?

Thanks,

Rebecca

On Wed, Jan 9, 2019 at 3:52 PM Treitz - DNR, Rebecca <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)> wrote:

Great thanks

On Wed, Jan 9, 2019 at 3:51 PM Jeff Berghorn <[JBerghorn@verdadoil.com](mailto:JBerghorn@verdadoil.com)> wrote:

Yes, he more wanted information to what would be happening. I told him to be good neighbors that Verdad would put sound walls on the SE4 of the wellpad and our drilling manager has agreed to comply with this request.

**From:** Treitz - DNR, Rebecca <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)>  
**Sent:** Wednesday, January 09, 2019 3:48 PM  
**To:** Jeff Berghorn <[JBerghorn@VerdadOil.com](mailto:JBerghorn@VerdadOil.com)>  
**Subject:** Re: Wuertz locations

Thanks Jeff,

Were all of Mr. Wuertz's concerns addressed?

Is Verdad planning on Soundwalls around the location? I know the BMP says working with surrounding building unit owners, but is there a minimum site specific noise mitigation method?

Thanks again,

Rebecca

On Tue, Jan 8, 2019 at 3:38 PM Jeff Berghorn <[JBerghorn@verdadoil.com](mailto:JBerghorn@verdadoil.com)> wrote:

Yes, I agree with all of the changes you have requested my approval on.

Total disturbed area post reclamation will be approx. 3.5 acres. Production facility being 250'x250' and the wells being the remainder.

Please add the BMPs to the facility from the well location.

Any irrigation ditch that crosses our location will be re-routed around the pad in order for the landowner to flood irrigate as needed in the future.

Attached is the 306.e Cert for the 2a.

Let me know if I have missed anything.

Thank you,

Jeff

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

**Sent:** Monday, January 07, 2019 5:07 PM

**To:** Jeff Berghorn <[JBerghorn@VerdadOil.com](mailto:JBerghorn@VerdadOil.com)>

**Subject:** Wuertz locations

Jeff,

Per our phone conversation, I will combine the Wuertz facility equipment and information from 2A doc no 401644564 with the Wuertz well pad, 2A doc no 401578885. Then, with your concurrence, I will withdraw the Wuertz Facility, doc no 401644564.

I will add the equipment count, cultural distances, the buffer zone information, and any additional applicable BMPs from the Facility 2A to the well pad 2A.

With your concurrence, I will change the cultural distances from production to the nearest building unit to match the location drawing.

In order to combine the 2As, please provide a total disturbed area and size of the location after interim reclamation.

With your concurrence, I will change the cultural distances from production to the nearest building unit to match the location drawing.

According to the water resource section and the hydrology map, irrigation ditches as surface water are cross the location, please provide information regarding the protection of the surface water on the location.

With your concurrence, I will make sure all of the BMPs for the facility are on the well location. I will also remove downhole BMPs associated with the Form 2s.

Please provide a 306.e. certification for the location and if there has been any communication with the Weld County LGD based on the comment on the 2A.

Please let me know if you have questions or would like to discuss 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)

--

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)

--

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)

--

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)

--

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)

---

**Jeff Berghorn** <[JBerghorn@verdadoil.com](mailto:JBerghorn@verdadoil.com)>  
To: "Treitz - DNR, Rebecca" <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)>

Tue, Jan 22, 2019 at 10:43 AM

Hello Rebecca,

I just wanted to see if you had any update on this or if you needed anything from me?

Thanks,

Jeff

**From:** Treitz - DNR, Rebecca <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)>  
**Sent:** Wednesday, January 16, 2019 3:19 PM  
**To:** Jeff Berghorn <[JBerghorn@VerdadOil.com](mailto:JBerghorn@VerdadOil.com)>  
**Subject:** Re: Wuertz locations

Jeff,

I have sent it to Final review. I will ask them where they are at with it.

Thanks,

Rebecca

On Wed, Jan 16, 2019 at 9:47 AM Jeff Berghorn <[JBerghorn@verdadoil.com](mailto:JBerghorn@verdadoil.com)> wrote:

Hey Rebecca,

I wanted to see if you needed anything else from me on this one. If not, I am wondering if you have a timeframe of when the 2A will be passed your approval and onto Laurel for final approval. This will be the next pad that we move to after the HDI KF that we are currently drilling on.

Thank you for all of the help.

Jeff

---

**From:** Jeff Berghorn <[JBerghorn@VerdadOil.com](mailto:JBerghorn@VerdadOil.com)>  
**Sent:** Wednesday, January 09, 2019 8:33 PM  
**To:** Treitz - DNR, Rebecca <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)>  
**Subject:** Re: Wuertz locations

I talk to Joe and Sandra Amen frequently as they own the property where Verdad drilled one of our first wells. They made no requests or objections on this wellpad.

On Jan 9, 2019, at 8:15 PM, Treitz - DNR, Rebecca <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)> wrote:

Jeff,

I am working with final review for this location. Was there any communication with the Amen residence, nearest the location?

Thanks,

Rebecca

On Wed, Jan 9, 2019 at 3:52 PM Treitz - DNR, Rebecca <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)> wrote:

Great thanks

On Wed, Jan 9, 2019 at 3:51 PM Jeff Berghorn <[JBerghorn@verdadoil.com](mailto:JBerghorn@verdadoil.com)> wrote:

Yes, he more wanted information to what would be happening. I told him to be good neighbors that Verdad would put sound walls on the SE4 of the wellpad and our drilling manager has agreed to comply with this request.

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

**Sent:** Wednesday, January 09, 2019 3:48 PM

**To:** Jeff Berghorn <[JBerghorn@VerdadOil.com](mailto:JBerghorn@VerdadOil.com)>

**Subject:** Re: Wuertz locations

Thanks Jeff,

Were all of Mr. Wuertz's concerns addressed?

Is Verdad planning on Soundwalls around the location? I know the BMP says working with surrounding building unit owners, but is there a minimum site specific noise mitigation method?

Thanks again,

Rebecca

On Tue, Jan 8, 2019 at 3:38 PM Jeff Berghorn <[JBerghorn@verdadoil.com](mailto:JBerghorn@verdadoil.com)> wrote:

Yes, I agree with all of the changes you have requested my approval on.

Total disturbed area post reclamation will be approx. 3.5 acres. Production facility being 250'x250' and the wells being the remainder.

Please add the BMPs to the facility from the well location.

Any irrigation ditch that crosses our location will be re-routed around the pad in order for the landowner to flood irrigate as needed in the future.

Attached is the 306.e Cert for the 2a.

Let me know if I have missed anything.

Thank you,

Jeff

**From:** Treitz - DNR, Rebecca <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)>  
**Sent:** Monday, January 07, 2019 5:07 PM  
**To:** Jeff Berghorn <[JBerghorn@VerdadOil.com](mailto:JBerghorn@VerdadOil.com)>  
**Subject:** Wuertz locations

Jeff,

Per our phone conversation, I will combine the Wuertz facility equipment and information from 2A doc no 401644564 with the Wuertz well pad, 2A doc no 401578885. Then, with your concurrence, I will withdraw the Wuertz Facility, doc no 401644564.

I will add the equipment count, cultural distances, the buffer zone information, and any additional applicable BMPs from the Facility 2A to the well pad 2A.

With your concurrence, I will change the cultural distances from production to the nearest building unit to match the location drawing.

In order to combine the 2As, please provide a total disturbed area and size of the location after interim reclamation.

With your concurrence, I will change the cultural distances from production to the nearest building unit to match the location drawing.

According to the water resource section and the hydrology map, irrigation ditches as surface water are cross the location, please provide information regarding the protection of the surface water on the location.

With your concurrence, I will make sure all of the BMPs for the facility are on the well location. I will also remove downhole BMPs associated with the Form 2s.

Please provide a 306.e. certification for the location and if there has been any communication with the Weld County LGD based on the comment on the 2A.

Please let me know if you have questions or would like to discuss 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)

--

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)

--

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)

--

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)

--

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](http://www.colorado.gov/cogcc)

---

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

Wed, Jan 23, 2019 at 4:15 PM

To: Jeff Berghorn <[JBerghorn@verdadoil.com](mailto:JBerghorn@verdadoil.com)>

Jeff,

A couple questions came back from Supervisors' review on the location, siting rationale and irrigation ditches.

I have combined the siting rationale from the two locations:

"The proposed Wuertz Facility Pad was planned with considerable consultation with the surface owner. The pad is placed as far north as possible to get facility equipment away from the building units approximately  $\pm 536'$  and  $\pm 589'$  SE (measured from the closest piece of equipment). However, currently the parcel is flood irrigated and the water drains toward the center of the section so the pad could not be shifted any farther north toward or into the low spot to increase the distance from the building units. This placement also allows room for a **center pivot sprinkler system planned by the surface owner**. The pad and associated facilities were placed as far \_ as possible on **the existing pad disturbance** to get facility equipment away from the building unit approximately \_ (measured from facility edge). The location **will utilize the existing all-weather access which is separate from adjacent properties access points** and is planned to meet all applicable 604.c. mitigation measure requirements."

The bold text conflicts with the location as a new location and not existing pad or access road. I have in the comments section that the irrigation ditches will be re-routed vs in the siting rational abandoning the irrigation lines for a center pivot. Please clarify these points.

COGCC would is also requiring an "as-built" for the location based on the distances of the wells to the nearest neighboring building units.

Please let me know if you have questions or would like to discuss.

Thank you,  
Rebecca

On Tue, Jan 22, 2019 at 10:43 AM Jeff Berghorn <[JBerghorn@verdadoil.com](mailto:JBerghorn@verdadoil.com)> wrote:

Hello Rebecca,

I just wanted to see if you had any update on this or if you needed anything from me?

Thanks,

Jeff

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

**Sent:** Wednesday, January 16, 2019 3:19 PM

**To:** Jeff Berghorn <[JBerghorn@VerdadOil.com](mailto:JBerghorn@VerdadOil.com)>

**Subject:** Re: Wuertz locations

Jeff,

I have sent it to Final review. I will ask them where they are at with it.

Thanks,

Rebecca

On Wed, Jan 16, 2019 at 9:47 AM Jeff Berghorn <[JBerghorn@verdadoil.com](mailto:JBerghorn@verdadoil.com)> wrote:

Hey Rebecca,

I wanted to see if you needed anything else from me on this one. If not, I am wondering if you have a timeframe of when the 2A will be passed your approval and onto Laurel for final approval. This will be the next pad that we move to after the HDI KF that we are currently drilling on.

Thank you for all of the help.

Jeff

---

**From:** Jeff Berghorn <[JBerghorn@VerdadOil.com](mailto:JBerghorn@VerdadOil.com)>  
**Sent:** Wednesday, January 09, 2019 8:33 PM  
**To:** Treitz - DNR, Rebecca <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)>  
**Subject:** Re: Wuertz locations

I talk to Joe and Sandra Amen frequently as they own the property where Verdad drilled one of our first wells. They made no requests or objections on this wellpad.

On Jan 9, 2019, at 8:15 PM, Treitz - DNR, Rebecca <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)> wrote:

Jeff,

I am working with final review for this location. Was there any communication with the Amen residence, nearest the location?

Thanks,

Rebecca

On Wed, Jan 9, 2019 at 3:52 PM Treitz - DNR, Rebecca <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)> wrote:

Great thanks

On Wed, Jan 9, 2019 at 3:51 PM Jeff Berghorn <[JBerghorn@verdadoil.com](mailto:JBerghorn@verdadoil.com)> wrote:

Yes, he more wanted information to what would be happening. I told him to be good neighbors that Verdad would put sound walls on the SE4 of the wellpad and our drilling manager has agreed to comply with this request.

**From:** Treitz - DNR, Rebecca <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)>  
**Sent:** Wednesday, January 09, 2019 3:48 PM  
**To:** Jeff Berghorn <[JBerghorn@VerdadOil.com](mailto:JBerghorn@VerdadOil.com)>  
**Subject:** Re: Wuertz locations

Thanks Jeff,

Were all of Mr. Wuertz's concerns addressed?

Is Verdad planning on Soundwalls around the location? I know the BMP says working with surrounding building unit owners, but is there a minimum site specific noise mitigation method?

Thanks again,

Rebecca

On Tue, Jan 8, 2019 at 3:38 PM Jeff Berghorn <[JBerghorn@verdadoil.com](mailto:JBerghorn@verdadoil.com)> wrote:

Yes, I agree with all of the changes you have requested my approval on.

Total disturbed area post reclamation will be approx. 3.5 acres. Production facility being 250'x250' and the wells being the remainder.

Please add the BMPs to the facility from the well location.

Any irrigation ditch that crosses our location will be re-routed around the pad in order for the landowner to flood irrigate as needed in the future.

Attached is the 306.e Cert for the 2a.

Let me know if I have missed anything.

Thank you,

Jeff

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

**Sent:** Monday, January 07, 2019 5:07 PM

**To:** Jeff Berghorn <[JBerghorn@VerdadOil.com](mailto:JBerghorn@VerdadOil.com)>

**Subject:** Wuertz locations

Jeff,

Per our phone conversation, I will combine the Wuertz facility equipment and information from 2A doc no 401644564 with the Wuertz well pad, 2A doc no 401578885. Then, with your concurrence, I will withdraw the Wuertz Facility, doc no 401644564.

I will add the equipment count, cultural distances, the buffer zone information, and any additional applicable BMPs from the Facility 2A to the well pad 2A.

With your concurrence, I will change the cultural distances from production to the nearest building unit to match the location drawing.

In order to combine the 2As, please provide a total disturbed area and size of the location after interim reclamation.

With your concurrence, I will change the cultural distances from production to the nearest building unit to match the location drawing.

According to the water resource section and the hydrology map, irrigation ditches as surface water are cross the location, please provide information regarding the protection of the surface water on the location.

With your concurrence, I will make sure all of the BMPs for the facility are on the well location. I will also remove downhole BMPs associated with the Form 2s.

Please provide a 306.e. certification for the location and if there has been any communication with the Weld County LGD based on the comment on the 2A.

Please let me know if you have questions or would like to discuss 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)

--

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)

--

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)

--

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)

--

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)

--

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)

---

**Jeff Berghorn** <[JBerghorn@verdadoil.com](mailto:JBerghorn@verdadoil.com)>

Wed, Jan 23, 2019 at 6:49 PM

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

Rebecca,

Thank you for bolding the information in question and making it easy for me to find.

For the first portion referencing the center pivot. The landowner plans to eventually install a center pivot in the middle of the SW Quarter to be able to use a sprinkler on the property instead of the current ditches with flood irrigation. The ability for a center pivot to rotate in a full circle is the reason for the facility and wellpad to be pushed as far to the property boundary as reasonably practical.

The facility pad is separated from the wellpad in order to maintain maximum separation from the building units to the South and East and still allow for farming activities.

The property has existing all weather access at the designated location for the access road. This designated access will allow for oil and gas activity as well as farming activity to continue unimpeded.

Verdad will agree to supply the COGCC with as-builts of all wells on the property.

Let me know if you have any questions to my clarifications above.

Thank you,

Jeff

On Jan 23, 2019, at 4:16 PM, Treitz - DNR, Rebecca <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)> wrote:

Jeff,

A couple questions came back from Supervisors' review on the location, siting rationale and irrigation ditches.

I have combined the siting rationale from the two locations:

"The proposed Wuertz Facility Pad was planned with considerable consultation with the surface owner.

The pad is placed as far north as possible to get facility equipment away from the building units approximately  $\pm 536'$  and  $\pm 589'$  SE (measured from the closest piece of equipment). However, currently the parcel is flood irrigated and the water drains toward the center of the section so the pad could not be shifted any farther north toward or into the low spot to increase the distance from the building units. This placement also allows room for a **center pivot sprinkler system planned by the surface owner**. The pad and associated facilities were placed as far \_ as possible on **the existing pad disturbance** to get facility equipment away from the building unit approximately \_ (measured from facility edge). The location **will utilize the existing all-weather access which is separate from adjacent properties access points** and is planned to meet all applicable 604.c. mitigation measure requirements."

The bold text conflicts with the location as a new location and not existing pad or access road. I have in the comments section that the irrigation ditches will be re-routed vs in the siting rational abandoning the irrigation lines for a center pivot.

Please clarify these points.

COGCC would is also requiring an "as-built" for the location based on the distances of the wells to the nearest neighboring building units.

Please let me know if you have questions or would like to discuss.

Thank you,  
Rebecca

On Tue, Jan 22, 2019 at 10:43 AM Jeff Berghorn <[JBerghorn@verdadoil.com](mailto:JBerghorn@verdadoil.com)> wrote:

Hello Rebecca,

I just wanted to see if you had any update on this or if you needed anything from me?

Thanks,

Jeff

**From:** Treitz - DNR, Rebecca <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)>  
**Sent:** Wednesday, January 16, 2019 3:19 PM  
**To:** Jeff Berghorn <[JBerghorn@VerdadOil.com](mailto:JBerghorn@VerdadOil.com)>  
**Subject:** Re: Wuertz locations

Jeff,

I have sent it to Final review. I will ask them where they are at with it.

Thanks,  
Rebecca

On Wed, Jan 16, 2019 at 9:47 AM Jeff Berghorn <[JBerghorn@verdadoil.com](mailto:JBerghorn@verdadoil.com)> wrote:

Hey Rebecca,

I wanted to see if you needed anything else from me on this one. If not, I am wondering if you have a timeframe of when the 2A will be passed your approval and onto Laurel for final approval. This will be the next pad that we move to after the HDI KF that we are currently drilling on.

Thank you for all of the help.

Jeff

---

**From:** Jeff Berghorn <[JBerghorn@VerdadOil.com](mailto:JBerghorn@VerdadOil.com)>  
**Sent:** Wednesday, January 09, 2019 8:33 PM  
**To:** Treitz - DNR, Rebecca <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)>  
**Subject:** Re: Wuertz locations

I talk to Joe and Sandra Amen frequently as they own the property where Verdad drilled one of our first wells. They made no requests or objections on this wellpad.

On Jan 9, 2019, at 8:15 PM, Treitz - DNR, Rebecca <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)> wrote:

Jeff,

I am working with final review for this location. Was there any communication with the Amen residence, nearest the location?

Thanks,

Rebecca

On Wed, Jan 9, 2019 at 3:52 PM Treitz - DNR, Rebecca <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)> wrote:

Great thanks

On Wed, Jan 9, 2019 at 3:51 PM Jeff Berghorn <[JBerghorn@verdadoil.com](mailto:JBerghorn@verdadoil.com)> wrote:

Yes, he more wanted information to what would be happening. I told him to be good neighbors that Verdad would put sound walls on the SE4 of the wellpad and our drilling manager has agreed to comply with this request.

**From:** Treitz - DNR, Rebecca <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)>  
**Sent:** Wednesday, January 09, 2019 3:48 PM  
**To:** Jeff Berghorn <[JBerghorn@VerdadOil.com](mailto:JBerghorn@VerdadOil.com)>  
**Subject:** Re: Wuertz locations

Thanks Jeff,

Were all of Mr. Wuertz's concerns addressed?

Is Verdad planning on Soundwalls around the location? I know the BMP says working with surrounding building unit owners, but is there a minimum site specific noise mitigation method?

Thanks again,

Rebecca

On Tue, Jan 8, 2019 at 3:38 PM Jeff Berghorn <[JBerghorn@verdadoil.com](mailto:JBerghorn@verdadoil.com)> wrote:

Yes, I agree with all of the changes you have requested my approval on.

Total disturbed area post reclamation will be approx. 3.5 acres. Production facility being 250'x250' and the wells being the remainder.

Please add the BMPs to the facility from the well location.

Any irrigation ditch that crosses our location will be re-routed around the pad in order for the landowner to flood irrigate as needed in the future.

Attached is the 306.e Cert for the 2a.

Let me know if I have missed anything.

Thank you,

Jeff

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

**Sent:** Monday, January 07, 2019 5:07 PM

**To:** Jeff Berghorn <[JBerghorn@VerdadOil.com](mailto:JBerghorn@VerdadOil.com)>

**Subject:** Wuertz locations

Jeff,

Per our phone conversation, I will combine the Wuertz facility equipment and information from 2A doc no 401644564 with the Wuertz well pad, 2A doc no 401578885. Then, with your concurrence, I will withdraw the Wuertz Facility, doc no 401644564.

I will add the equipment count, cultural distances, the buffer zone information, and any additional applicable BMPs from the Facility 2A to the well pad 2A.

With your concurrence, I will change the cultural distances from production to the nearest building unit to match the location drawing.

In order to combine the 2As, please provide a total disturbed area and size of the location after interim reclamation.

With your concurrence, I will change the cultural distances from production to the nearest building unit to match the location drawing.



According to the water resource section and the hydrology map, irrigation ditches as surface water are cross the location, please provide information regarding the protection of the surface water on the location.

With your concurrence, I will make sure all of the BMPs for the facility are on the well location. I will also remove downhole BMPs associated with the Form 2s.

Please provide a 306.e. certification for the location and if there has been any communication with the Weld County LGD based on the comment on the 2A.

Please let me know if you have questions or would like to discuss 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)

--

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)

--

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)

--

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)

--

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)

--

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)

---

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

Thu, Jan 24, 2019 at 10:47 AM

To: Jeff Berghorn <[JBerghorn@verdadoil.com](mailto:JBerghorn@verdadoil.com)>

Jeff,

For clarification, the existing two track along the east edge of the property will be expanded and made all weather?

Thanks,  
Rebecca

On Wed, Jan 23, 2019 at 6:49 PM Jeff Berghorn <[JBerghorn@verdadoil.com](mailto:JBerghorn@verdadoil.com)> wrote:

Rebecca,

Thank you for bolding the information in question and making it easy for me to find.

For the first portion referencing the center pivot. The landowner plans to eventually install a center pivot in the middle of the SW Quarter to be able to use a sprinkler on the property instead of the current ditches with flood irrigation. The ability for a center pivot to rotate in a full circle is the reason for the facility and wellpad to be pushed as far to the property boundary as reasonably practical.

The facility pad is separated from the wellpad in order to maintain maximum separation from the building units to the South and East and still allow for farming activities.

The property has existing all weather access at the designated location for the access road. This designated access will allow for oil and gas activity as well as farming activity to continue unimpeded.

Verdad will agree to supply the COGCC with as-builts of all wells on the property.

Let me know if you have any questions to my clarifications above.

Thank you,  
Jeff

On Jan 23, 2019, at 4:16 PM, Treitz - DNR, Rebecca <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)> wrote:

Jeff,

A couple questions came back from Supervisors' review on the location, siting rationale and irrigation ditches.

I have combined the siting rationale from the two locations:

"The proposed Wuertz Facility Pad was planned with considerable consultation with the surface owner. The pad is placed as far north as possible to get facility equipment away from the building units approximately  $\pm 536'$  and  $\pm 589'$  SE (measured from the closest piece of equipment). However, currently the parcel is flood irrigated and the water drains toward the center of the section so the pad could not be shifted any farther north toward or into the low spot to increase the distance from the building units. This placement also allows room for a ***center pivot sprinkler system planned by the surface owner***. The pad and associated facilities were placed as far \_ as possible on ***the existing pad disturbance*** to get facility equipment away from the building unit approximately \_ (measured from facility edge). The location ***will utilize the existing all-weather access which is separate from adjacent properties access points*** and is planned to meet all applicable 604.c. mitigation measure requirements."

The bold text conflicts with the location as a new location and not existing pad or access road. I have in the comments section that the irrigation ditches will be re-routed vs in the siting rational abandoning the irrigation lines for a center pivot.

Please clarify these points.

COGCC would is also requiring an "as-built" for the location based on the distances of the wells to the nearest neighboring building units.

Please let me know if you have questions or would like to discuss.

Thank you,  
Rebecca

On Tue, Jan 22, 2019 at 10:43 AM Jeff Berghorn <[JBerghorn@verdadoil.com](mailto:JBerghorn@verdadoil.com)> wrote:

Hello Rebecca,

I just wanted to see if you had any update on this or if you needed anything from me?

Thanks,

Jeff

**From:** Treitz - DNR, Rebecca <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)>  
**Sent:** Wednesday, January 16, 2019 3:19 PM  
**To:** Jeff Berghorn <[JBerghorn@VerdadOil.com](mailto:JBerghorn@VerdadOil.com)>  
**Subject:** Re: Wuertz locations

Jeff,

I have sent it to Final review. I will ask them where they are at with it.

Thanks,  
Rebecca

On Wed, Jan 16, 2019 at 9:47 AM Jeff Berghorn <[JBerghorn@verdadoil.com](mailto:JBerghorn@verdadoil.com)> wrote:

Hey Rebecca,

I wanted to see if you needed anything else from me on this one. If not, I am wondering if you have a timeframe of when the 2A will be passed your approval and onto Laurel for final approval. This will be the next pad that we move to after the HDI KF that we are currently drilling on.

Thank you for all of the help.

Jeff

---

**From:** Jeff Berghorn <[JBerghorn@VerdadOil.com](mailto:JBerghorn@VerdadOil.com)>  
**Sent:** Wednesday, January 09, 2019 8:33 PM  
**To:** Treitz - DNR, Rebecca <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)>  
**Subject:** Re: Wuertz locations

I talk to Joe and Sandra Amen frequently as they own the property where Verdad drilled one of our first wells. They made no requests or objections on this wellpad.

On Jan 9, 2019, at 8:15 PM, Treitz - DNR, Rebecca <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)> wrote:

Jeff,

I am working with final review for this location. Was there any communication with the Amen residence, nearest the location?

Thanks,  
Rebecca

On Wed, Jan 9, 2019 at 3:52 PM Treitz - DNR, Rebecca <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)> wrote:

Great thanks

On Wed, Jan 9, 2019 at 3:51 PM Jeff Berghorn <[JBerghorn@verdadoil.com](mailto:JBerghorn@verdadoil.com)> wrote:

Yes, he more wanted information to what would be happening. I told him to be good neighbors that Verdad would put sound walls on the SE4 of the wellpad and our drilling manager has agreed to comply with this request.

**From:** Treitz - DNR, Rebecca <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)>  
**Sent:** Wednesday, January 09, 2019 3:48 PM

**To:** Jeff Berghorn <[JBerghorn@VerdadOil.com](mailto:JBerghorn@VerdadOil.com)>  
**Subject:** Re: Wuertz locations

Thanks Jeff,

Were all of Mr. Wuertz's concerns addressed?

Is Verdad planning on Soundwalls around the location? I know the BMP says working with surrounding building unit owners, but is there a minimum site specific noise mitigation method?

Thanks again,

Rebecca

On Tue, Jan 8, 2019 at 3:38 PM Jeff Berghorn <[JBerghorn@verdadoil.com](mailto:JBerghorn@verdadoil.com)> wrote:

Yes, I agree with all of the changes you have requested my approval on.

Total disturbed area post reclamation will be approx. 3.5 acres. Production facility being 250'x250' and the wells being the remainder.

Please add the BMPs to the facility from the well location.

Any irrigation ditch that crosses our location will be re-routed around the pad in order for the landowner to flood irrigate as needed in the future.

Attached is the 306.e Cert for the 2a.

Let me know if I have missed anything.

Thank you,

Jeff

**From:** Treitz - DNR, Rebecca <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)>  
**Sent:** Monday, January 07, 2019 5:07 PM  
**To:** Jeff Berghorn <[JBerghorn@VerdadOil.com](mailto:JBerghorn@VerdadOil.com)>  
**Subject:** Wuertz locations

Jeff,

Per our phone conversation, I will combine the Wuertz facility equipment and information from 2A doc no 401644564 with the Wuertz well pad, 2A doc no 401578885. Then, with your concurrence, I will withdraw the Wuertz Facility, doc no 401644564.

I will add the equipment count, cultural distances, the buffer zone information, and any additional applicable BMPs from the Facility 2A to the well pad 2A.

With your concurrence, I will change the cultural distances from production to the nearest building unit to match the location drawing.

In order to combine the 2As, please provide a total disturbed area and size of the location after interim reclamation.

With your concurrence, I will change the cultural distances from production to the nearest building unit to match the location drawing.

According to the water resource section and the hydrology map, irrigation ditches as surface water are cross the location, please provide information regarding the protection of the surface water on the location.

With your concurrence, I will make sure all of the BMPs for the facility are on the well location. I will also remove downhole BMPs associated with the Form 2s.

Please provide a 306.e. certification for the location and if there has been any communication with the Weld County LGD based on the comment on the 2A.

Please let me know if you have questions or would like to discuss 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)

--

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)

--

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)

--

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)

--

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)

--

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)

--

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)

---

**Jeff Berghorn** <[JBerghorn@verdadoil.com](mailto:JBerghorn@verdadoil.com)>  
To: "Treitz - DNR, Rebecca" <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)>

Thu, Jan 24, 2019 at 10:56 AM

Yes ma'am.

**From:** Treitz - DNR, Rebecca <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)>  
**Sent:** Thursday, January 24, 2019 10:48 AM  
**To:** Jeff Berghorn <[JBerghorn@VerdadOil.com](mailto:JBerghorn@VerdadOil.com)>  
**Subject:** Re: Wuertz locations

Jeff,

For clarification, the existing two track along the east edge of the property will be expanded and made all weather?

Thanks,

Rebecca

On Wed, Jan 23, 2019 at 6:49 PM Jeff Berghorn <[JBerghorn@verdadoil.com](mailto:JBerghorn@verdadoil.com)> wrote:

Rebecca,

Thank you for bolding the information in question and making it easy for me to find.

For the first portion referencing the center pivot. The landowner plans to eventually install a center pivot in the middle of the SW Quarter to be able to use a sprinkler on the property instead of the current ditches with flood irrigation. The ability for a center pivot to rotate in a full circle is the reason for the facility and wellpad to be pushed as far to the property boundary as reasonably practical.

The facility pad is separated from the wellpad in order to maintain maximum separation from the building units to the South and East and still allow for farming activities.

The property has existing all weather access at the designated location for the access road. This designated access will allow for oil and gas activity as well as farming activity to continue unimpeded.

Verdad will agree to supply the COGCC with as-builts of all wells on the property.

Let me know if you have any questions to my clarifications above.

Thank you,

Jeff

On Jan 23, 2019, at 4:16 PM, Treitz - DNR, Rebecca <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)> wrote:

Jeff,

A couple questions came back from Supervisors' review on the location, siting rationale and irrigation ditches.

I have combined the siting rationale from the two locations:



"The proposed Wuertz Facility Pad was planned with considerable consultation with the surface owner. The pad is placed as far north as possible to get facility equipment away from the building units approximately ±536' and ±589' SE (measured from the closest piece of equipment). However, currently the parcel is flood irrigated and the water drains toward the center of the section so the pad could not be shifted any farther north toward or into the low spot to increase the distance from the building units. This placement also allows room for a **center pivot sprinkler system planned by the surface owner**. The pad and associated facilities were placed as far \_ as possible on **the existing pad disturbance** to get facility equipment away from the building unit approximately \_ (measured from facility edge). The location **will utilize the existing all-weather access which is separate from adjacent properties access points** and is planned to meet all applicable 604.c. mitigation measure requirements."

The bold text conflicts with the location as a new location and not existing pad or access road. I have in the comments section that the irrigation ditches will be re-routed vs in the siting rational abandoning the irrigation lines for a center pivot.

Please clarify these points.

COGCC would also be requiring an "as-built" for the location based on the distances of the wells to the nearest neighboring building units.

Please let me know if you have questions or would like to discuss.

Thank you,

Rebecca

On Tue, Jan 22, 2019 at 10:43 AM Jeff Berghorn <[JBerghorn@verdadoil.com](mailto:JBerghorn@verdadoil.com)> wrote:

Hello Rebecca,

I just wanted to see if you had any update on this or if you needed anything from me?

Thanks,

Jeff

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

**Sent:** Wednesday, January 16, 2019 3:19 PM

**To:** Jeff Berghorn <[JBerghorn@VerdadOil.com](mailto:JBerghorn@VerdadOil.com)>

**Subject:** Re: Wuertz locations

Jeff,

I have sent it to Final review. I will ask them where they are at with it.

Thanks,

Rebecca

On Wed, Jan 16, 2019 at 9:47 AM Jeff Berghorn <[JBerghorn@verdadoil.com](mailto:JBerghorn@verdadoil.com)> wrote:

Hey Rebecca,

I wanted to see if you needed anything else from me on this one. If not, I am wondering if you have a timeframe of when the 2A will be passed your approval and onto Laurel for final approval. This will be the next pad that we move to after the HDI KF that we are currently drilling on.

Thank you for all of the help.

Jeff

---

**From:** Jeff Berghorn <[JBerghorn@VerdadOil.com](mailto:JBerghorn@VerdadOil.com)>  
**Sent:** Wednesday, January 09, 2019 8:33 PM  
**To:** Treitz - DNR, Rebecca <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)>  
**Subject:** Re: Wuertz locations

I talk to Joe and Sandra Amen frequently as they own the property where Verdad drilled one of our first wells. They made no requests or objections on this wellpad.

On Jan 9, 2019, at 8:15 PM, Treitz - DNR, Rebecca <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)> wrote:

Jeff,

I am working with final review for this location. Was there any communication with the Amen residence, nearest the location?

Thanks,

Rebecca

On Wed, Jan 9, 2019 at 3:52 PM Treitz - DNR, Rebecca <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)> wrote:

Great thanks

On Wed, Jan 9, 2019 at 3:51 PM Jeff Berghorn <[JBerghorn@verdadoil.com](mailto:JBerghorn@verdadoil.com)> wrote:

Yes, he more wanted information to what would be happening. I told him to be good neighbors that Verdad would put sound walls on the SE4 of the wellpad and our drilling manager has agreed to comply with this request.

**From:** Treitz - DNR, Rebecca <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)>  
**Sent:** Wednesday, January 09, 2019 3:48 PM  
**To:** Jeff Berghorn <[JBerghorn@VerdadOil.com](mailto:JBerghorn@VerdadOil.com)>  
**Subject:** Re: Wuertz locations

Thanks Jeff,

Were all of Mr. Wuertz's concerns addressed?

Is Verdad planning on Soundwalls around the location? I know the BMP says working with surrounding building unit owners, but is there a minimum site

specific noise mitigation method?

Thanks again,

Rebecca

On Tue, Jan 8, 2019 at 3:38 PM Jeff Berghorn <[JBerghorn@verdadoil.com](mailto:JBerghorn@verdadoil.com)> wrote:

Yes, I agree with all of the changes you have requested my approval on.

Total disturbed area post reclamation will be approx. 3.5 acres. Production facility being 250'x250' and the wells being the remainder.

Please add the BMPs to the facility from the well location.

Any irrigation ditch that crosses our location will be re-routed around the pad in order for the landowner to flood irrigate as needed in the future.

Attached is the 306.e Cert for the 2a.

Let me know if I have missed anything.

Thank you,

Jeff

**From:** Treitz - DNR, Rebecca <[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)>  
**Sent:** Monday, January 07, 2019 5:07 PM  
**To:** Jeff Berghorn <[JBerghorn@VerdadOil.com](mailto:JBerghorn@VerdadOil.com)>  
**Subject:** Wuertz locations

Jeff,

Per our phone conversation, I will combine the Wuertz facility equipment and information from 2A doc no 401644564 with the Wuertz well pad, 2A doc no 401578885. Then, with your concurrence, I will withdraw the Wuertz Facility, doc no 401644564.

I will add the equipment count, cultural distances, the buffer zone information, and any additional applicable BMPs from the Facility 2A to the well pad 2A.

With your concurrence, I will change the cultural distances from production to the nearest building unit to match the location drawing.

In order to combine the 2As, please provide a total disturbed area and size of the location after interim reclamation.

With your concurrence, I will change the cultural distances from production to the nearest building unit to match the location drawing.

According to the water resource section and the hydrology map, irrigation ditches as surface water are cross the location, please provide information regarding the protection of the surface water on the location.

With your concurrence, I will make sure all of the BMPs for the facility are on the well location. I will also remove downhole BMPs associated with the Form 2s.

Please provide a 306.e. certification for the location and if there has been any communication with the Weld County LGD based on the comment on the 2A.

Please let me know if you have questions or would like to discuss 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)

--

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)

--

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)

--

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)

--

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)

--

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)

--

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)

