

STATE OF  
COLORADO

Treitz - DNR, Rebecca &lt;rebecca.treitz@state.co.us&gt;

**FW: Rasmussen doc no 400750429 and 400662720**

7 messages

Sachen, Toby R. &lt;Toby.Sachen@encana.com&gt;

Wed, Jan 27, 2016 at 9:32 AM

To: "rebecca.treitz@state.co.us" &lt;rebecca.treitz@state.co.us&gt;

**Rebecca,**

Please see below for responses from people responsible for the various areas:

a. The Operator shall conduct a 72 hour baseline noise survey from a minimum of three points prior to the commencement of construction.

Drilling Op's: Encana has been performing 7-day to 30-day ambient sound surveys on the most recent planned pads in the Erie, CO area, so this is fine.

b. The Operator shall continuously monitor noise and continuously collect and store noise readings with instruments placed to the north and east, between the Oil and Gas Location and residential Building Units. The Operator shall conduct the monitoring and data collection during construction, drilling, and completions operations. This data shall be available to COGCC on tables or graphs within 48 hours of being requested by COGCC.

Drilling Op's: We have access to technology that can accomplish this task.

Completions: Release of data is not a problem.

c. Light from flaring during drilling is a potential nuisance to the nearby population and a potential source of complaints. The Operator shall either sufficiently shield or enclose all flares during drilling to prevent the flame from being visible beyond the boundaries of the Oil and Gas Location.

Drilling Op's: Flares will be minimized during drilling operations. We will be unable to eliminate flaring activity as it would create undo SAFETY ISSUES to the well, drilling rig crew etc. to attempt to not have a flare.

Completions: The light from flaring can be shielded, but may not eliminate all light from the flare. Direct line of sight can be shielded, but the glow of light that goes up can hit low lying clouds during the right weather conditions. I would also add that an exception should be allowed for any safety risks, such as a volume of gas that cannot be shielded properly but is best controlled by using the flare or a panic line system for those rare or unplanned events.

d. The Operator will only use closed tanks and systems for containment of flowback fluids - no non-emergency venting of gases or vapors to the atmosphere will be allowed.

Completions: Closed tanks and control of vapors will be used and be a part of completion operations.

e. Secondary containment, such as muscle walls, will be placed on the east side of MLVT's to shield

**nearby residence.**

**EH&S:** We would prefer to build a berm using the top soil on the site rather than the muscle walls. This was on our proposed Completions Exhibit (attached). It will be just as effective as the muscle wall.

**Toby Sachen**

Regulatory Analyst

t 720.876.5845

c 720-939-5377

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**From:** Treitz - DNR, Rebecca [<mailto:rebecca.treitz@state.co.us>]**Sent:** Tuesday, January 12, 2016 3:22 PM**To:** Sachen, Toby R.**Subject:** Re: Rasmussen doc no 400750429 and 400662720

Toby,

For the widening of Road 18, What are the plans to allow for two way traffic? What are the construction plans for the road based on citizen concerns?

For the sound walls, will EnCana start will all four sound walls? Will there be monitoring?

For the COA's, does EnCana concur or do you have questions on them?

Thanks,

Rebecca

On Mon, Jan 4, 2016 at 9:18 AM, Sachen, Toby R. <[Toby.Sachen@encana.com](mailto:Toby.Sachen@encana.com)> wrote:

Rebecca,

Please see responses in red below. Can you please clarify what you mean by "how" CR 18 will be widened?

Question 1 response is from the Drilling Engineer. He can't say exactly where sound walls other than the ones surrounding the site will be put up until they run sound models at the location.

Toby

### Toby Sachen

Regulatory Analyst

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**From:** Treitz - DNR, Rebecca [mailto:[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)]  
**Sent:** Wednesday, December 30, 2015 10:22 AM  
**To:** Sachen, Toby R.  
**Subject:** Rasmussen doc no 400750429 and 400662720

Toby,

As part of our review of the Rasmussen Well location (doc no 400750429), COGCC is looking for more detail on the following:

1. Where will the sound walls be placed to block noise from nearby residence?

Sound walls are strategically placed around the drilling pad to maximize the reduction of dBA & dBc scale noise generation by the drilling rig and associated drilling equipment.

This has varied from pad to pad based on location elevation, surrounding topography, proximity to buildings, drilling rig being utilized etc..

Typically, we start with all 4 sides of the location walled and then run sound models to address additional wall needs within those outer walls as required to meet COGCC Regulations.

2. Where and how is Road 18 going to be widened? Is EnCana working with the Weld County on permits for widening the road?

CR 18 will be widened from the drill pad to the Temporary Completions Area and on the north side of the road, which is owned by Mr. Rasmussen. We do not need to permit this through Weld County since it is not a county road.

3. The following COAs.

a. The Operator shall conduct a 72 hour baseline noise survey from a minimum of three points prior to the commencement of construction.

b. The Operator shall continuously monitor noise and continuously collect and store noise readings with instruments placed to the north and east, between the Oil and Gas Location and residential Building Units. The Operator shall conduct the monitoring and data collection during construction, drilling, and completions operations. This data shall be available to COGCC on tables or graphs within 48 hours of being requested by COGCC.

c. Light from flaring during drilling is a potential nuisance to the nearby population and a potential source of complaints. The Operator shall either sufficiently shield or enclose all flares during drilling to prevent the flame from being visible beyond the boundaries of the Oil and Gas Location.

d. The Operator will only use closed tanks and systems for containment of flowback fluids - no non-emergency venting of gases or vapors to the atmosphere will be allowed.

e. Secondary containment, such as muscle walls, will be placed on the east side of MLVT's to shield nearby residence.

4. For the Production location (doc no 400662720), I have in my meeting notes from June 10, 2015, that Mr. Rasmussen did not want extra landscaping surrounding the facilities due to increasing disturbance and decreasing his agricultural production area. Can you please confirm this? Are there any landscaping plans for either location?

From Bob Bresnahan, Surface Landman: I confirm this is accurate, landscaping would have to be installed outside of the given facilities pad which would be in Mr. Rasmussen's flood irrigated farm land and he has no interest in further decreasing his farmable surface.

Also, no plans for landscaping drill pad area as it will be reclaimed after drilling and the wellheads will be all that remains (with a small operations area around the wellheads).

Please let me know if you have any questions.

Thank you,

Rebecca

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Rebecca Treitz

Oil and Gas Location Assessment Specialist

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<http://www.encana.com>

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Rebecca Treitz

Oil and Gas Location Assessment Specialist

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**RASMUSSEN 19H-M268 COMPLETIONS EXHIBIT.PDF**  
440K

**Treitz - DNR, Rebecca** <rebecca.treitz@state.co.us>  
To: John Noto - DNR <john.noto@state.co.us>

Mon, Feb 29, 2016 at 3:15 PM

John,  
Below is EnCana's response to the proposed COAs for the Rasmussen pad and wells. Flaring and the use of berms around the MLVTs are different. I'm not sure what to think of flaring. I think the berms for the MLVTs are fine as not trying to dictate what the Operator can use, more that there is additional containment. Let me know what you think.

Thanks.

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**RASMUSSEN 19H-M268 COMPLETIONS EXHIBIT.PDF**  
440K

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**Treitz - DNR, Rebecca** <rebecca.treitz@state.co.us>  
To: "Sachen, Toby R." <Toby.Sachen@encana.com>  
Cc: John Noto - DNR <john.noto@state.co.us>

Mon, Feb 29, 2016 at 4:07 PM

Toby,

For Rasmussen, I have an email from January 4, where EnCana describes widening the road: "CR 18 will be widened from the drill pad to the Temporary Completions Area and on the north side of the road, which is owned by Mr. Rasmussen. We do not need to permit this through Weld County since it is not a county road."

Based on the completions exhibit provided, the 2-way portion of the road would be after the trucks have turned into the well pad location. The citizens concerns are regarding the road from CR1 to the wells. What are the plans for traffic control? Will there be flaggers? Is there a potential truck pull off east of the cemetery?

For the flaring, based on the email, EnCana is not concurring with the COA. Please provide a BMP to incorporate shielding of the flare or minimizing flaring during upset conditions to address COGCC's concerns and maintaining safe work conditions.

John or myself would be happy to discuss these matters further with you.

Thank you,

Rebecca

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**Sachen, Toby R.** <Toby.Sachen@encana.com>  
To: "Treitz - DNR, Rebecca" <rebecca.treitz@state.co.us>  
Cc: John Noto - DNR <john.noto@state.co.us>

Tue, Mar 1, 2016 at 3:43 PM

Hi Rebecca,

I am working to address your questions. I do have some questions: Are the neighbors concerned about traffic control from CR 1 to the drill pad, or on CR 1? Are they saying they want a truck pull off east of the cemetery? Do we want to get that close to the cemetery? If so, I can ask our landman if there is a potential for that. Is that in addition to the turn lane already proposed between the drill pad and TCA pad?

We are developing a Traffic Management Plan. I am still waiting on Community Relations' input on school bus stops, but under Traffic Control Plan, we have the following:

Encana will commission a Traffic Control Plan from Northern Colorado Traffic Control, Inc. that will show the locations of "Utility Work Ahead" and "Trucks Turning" signs during the Construction, Drilling and Completion phases, approximately 11 months. Work hours and delivery times will be limited to 7:00 a.m. to 5:00 p.m.

There may be flaggers during the heavy traffic days.

Does that suffice?

I will see what more I can find out about flaring from our Completions Superintendent.

Thank you,

Toby

**Toby Sachen**

Regulatory Analyst

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**From:** Treitz - DNR, Rebecca [mailto:[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)]  
**Sent:** Monday, February 29, 2016 4:07 PM  
**To:** Sachen, Toby R.  
**Cc:** John Noto - DNR  
**Subject:** Re: FW: Rasmussen doc no 400750429 and 400662720

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**Treitz - DNR, Rebecca** <rebecca.treitz@state.co.us>  
To: "Sachen, Toby R." <Toby.Sachen@encana.com>  
Cc: John Noto - DNR <john.noto@state.co.us>

Wed, Mar 2, 2016 at 11:01 AM

Toby,  
The neighbors concerned live at the end of Road 18 and are worried about getting in and out of the neighborhood and/or the potential of trucks blocking the one lane road.

Hope that helps.  
Thanks,  
Rebecca  
[Quoted text hidden]

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**Sachen, Toby R.** <Toby.Sachen@encana.com>  
To: "Treitz - DNR, Rebecca" <rebecca.treitz@state.co.us>  
Cc: John Noto - DNR <john.noto@state.co.us>

Thu, Mar 3, 2016 at 3:14 PM

Rebecca and John,

I am corresponding with a Drilling Engineer to get more input on the flaring BMP. I also asked Bob Bresnahan about the likelihood that the surface owner would let us widen the road between the cemetery and the drill pad. I am thinking the surface owner was against it, but will confirm with Bob.

Toby

**Toby Sachen**

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**From:** Treitz - DNR, Rebecca [mailto:[rebecca.treitz@state.co.us](mailto:rebecca.treitz@state.co.us)]  
**Sent:** Wednesday, March 02, 2016 11:01 AM  
**To:** Sachen, Toby R.

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**Sachen, Toby R.** <Toby.Sachen@encana.com>

Mon, Mar 7, 2016 at 8:39 AM

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

Cc: John Noto - DNR <john.noto@state.co.us>, "Bresnahan, Bob" <Robert.Bresnahan@encana.com>

John and Rebecca,

Our surface landman says that there is not a problem widening the road between the cemetery and the drill pad an additional 15'. Please change our statement to:

CR 18 will be widened between the cemetery and the drill pad, on the north side of the road. The road is owned by Mr. Rasmussen. We do not need to permit this through Weld County since it is not a county road.

Again, regarding the traffic control plan and flaggers:

Encana will commission a Traffic Control Plan from Northern Colorado Traffic Control, Inc. that will show the locations of "Utility Work Ahead" and "Trucks Turning" signs during the Construction, Drilling and Completion phases, approximately 11 months. Work hours and delivery times will be limited to 7:00 a.m. to 5:00 p.m.

There may be flaggers during the heavy traffic days.

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

**Sent:** Wednesday, March 02, 2016 11:01 AM

**To:** Sachen, Toby R.

4/8/2016

State.co.us Executive Branch Mail - FW: Rasmussen doc no 400750429 and 400662720

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