

STATE OF
COLORADO

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

Sarchet Tank Battery doc no 400847669

7 messages

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

Tue, Aug 11, 2015 at 11:03 AM

Ronett,

COGCC is in the process of reviewing the Form 2A Sarchet Tank Battery 15N-20HZ (doc no 400847669). In order to complete our review, please address the following:

1. Please send a NRCS unit detail attachment
2. The surface water distance on the Form 2A does not match the attached drawing. With your concurrence, I will update the distance to match the map.
3. The water resource section indicates the area is not-sensitive, yet there is a domestic water well 94 feet to the south west. Please confirm the existence of this water well. If the water well is still in the area, with your concurrence, I will check this box as sensitive. Please provide BMPs for how this water well will be protected.
4. If the water well 94 feet from the edge of the disturbed area is present, please provide a location drawing with all improvements within 500 feet of the oil and gas location.

Please let me know if you have any questions.

Thank you,

Rebecca

—

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

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

Tue, Aug 11, 2015 at 4:14 PM

Hi Rebecca,

I am so sorry about that; the printed copy I have (from before I submitted) shows the NRCS as an attachment, but clearly what's in there now doesn't have it, so I must have accidentally deleted it or something. It is attached.

The surface water distance on the 2A (both in the field and in the comments) describes the canal at 915'

(which is NOT downgradient) and the pond at 2525' (which IS downgradient). The map only shows the canal because the pond is too far away.

Historically we have always calculated whether an area is sensitive or not by two factors: 1) is there downgradient surface water within 1000' and/or 2) is depth to groundwater <20'. If proximity to water wells should be a part of this analysis, please let me know so we can change our process.

Thank you!

Ronett

From: Treitz - DNR, Rebecca [mailto:rebecca.treitz@state.co.us]
Sent: Tuesday, August 11, 2015 11:04 AM
To: Powers, Ronett
Subject: Sarchet Tank Battery doc no 400847669

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SARCHET 15N-20HZ TB NRCS.pdf
119K

Treitz - DNR, Rebecca <rebecca.treitz@state.co.us>
To: Melissa Housey - DNR <melissa.housey@state.co.us>

Thu, Aug 13, 2015 at 4:12 PM

[Quoted text hidden]



SARCHET 15N-20HZ TB NRCS.pdf
119K

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

Fri, Aug 14, 2015 at 2:59 PM

Ronett,
I have attached the NRCS. For the groundwater, based on the definition of sensitive area (100-series rules), ..."additionally, areas classified for domestic use by the Water Quality Control Commission, local (water supply) wellhead protection areas, areas within 1/8 mile of a domestic water well..." Based on this definition, the 94 feet is less than 1/8 of a mile, so it is considered a sensitive area. Based on the presence of the water well for this location to be in a sensitive area, please provide BMPs or information on the protection of the water well. Please revise the location drawing to reflect the presence of the water well as an improvement within the 500 ft buffer.

Thank you,
Rebecca
[Quoted text hidden]

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

Mon, Aug 17, 2015 at 11:55 AM

Good morning Rebecca,

Sorry for the delayed response; Friday was my day off and we had some IT updates that meant no emails came to my phone for 3 days, so I was completely out of the loop.

Attached is a revised Location Drawing. In the course of adding the water well you mentioned, our GIS guy realized there was a second water well within 1/8 of a mile that the surveyors omitted. That has been added as well. We will work with our vendors to ensure they are adding these to our plat packages.

Please add the following BMP:

Storm Water/Erosion Control

604c.(2).G. Berm Construction: Kerr-McGee will create tertiary containment by construction of a berm or diversion dike, site grading, or other comparable measures sufficient to further protect the water wells located 94' SW and 470' NE of this proposed oil and gas location.

Thank you!

Ronett

From: Treitz - DNR, Rebecca [mailto:rebecca.treitz@state.co.us]
Sent: Friday, August 14, 2015 2:59 PM
To: Powers, Ronett
Subject: Re: Sarchet Tank Battery doc no 400847669

[Quoted text hidden]



SARCHET 15N-20HZ TB LOC DRAW.pdf
1292K

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

Mon, Aug 17, 2015 at 12:50 PM

Ronett,
Thank you for the information and I updated the 2A accordingly. I have one more question, I saw that the down

gradient surface water body to the south is on the topo. I noticed there is also a man-made stock pond to the east and also down gradient. Do you know the status of the pond to the east and would you consider this the closest, down gradient surface water body?

Thank you,
Rebecca

[Quoted text hidden]

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

Mon, Aug 17, 2015 at 1:33 PM

Based on our best information and assumptions, we will consider that the closest down gradient.

Sent from my iPhone

On Aug 17, 2015, at 12:52 PM, Treitz - DNR, Rebecca <rebecca.treitz@state.co.us>> wrote:

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