



STATE OF COLORADO

Andrews - DNR, Doug <doug.andrews@state.co.us>

RE: [EXTERNAL] :COGCC Form 2A review of PDC Energy's Sandin 5N64W24N location - Doc #401206874

2 messages

Venessa Chase <Venessa.Chase@pdce.com>
To: "Andrews - DNR, Doug" <doug.andrews@state.co.us>
Cc: "Garrison - DNR, Penny" <penny.garrison@state.co.us>

Wed, Mar 15, 2017 at 2:05 PM

Doug, Please see my comments below:

From: Andrews - DNR, Doug [mailto:doug.andrews@state.co.us]
Sent: Tuesday, March 14, 2017 11:46 AM
To: Venessa Chase <Venessa.Chase@pdce.com>
Cc: Garrison - DNR, Penny <penny.garrison@state.co.us>
Subject: [EXTERNAL] :COGCC Form 2A review of PDC Energy's Sandin 5N64W24N location - Doc #401206874

Venessa,

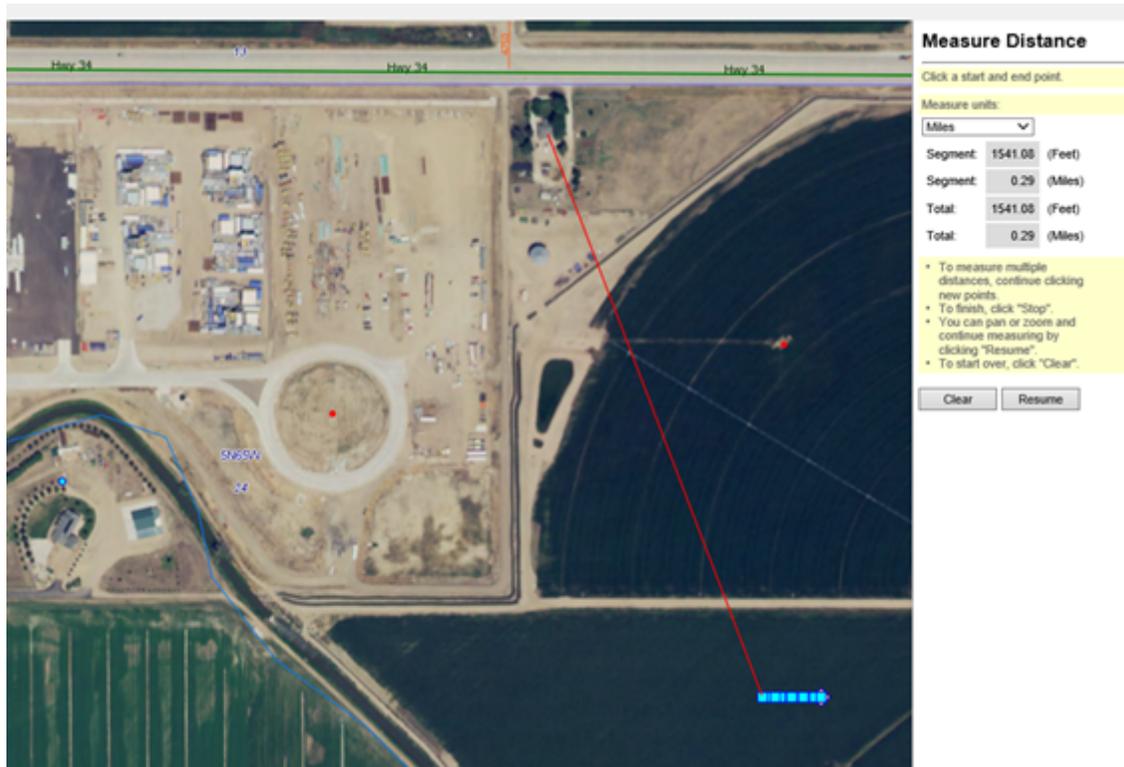
I have reviewed the referenced Form 2A Oil & Gas Location Assessment and have the following comments.

1) In the Facilities section you have indicated PDC Energy will have up to three buried produced water vaults on this proposed Oil & Gas Location. Due to the potentially shallow groundwater in this area, please provide a BMP describing how PDC Energy will install the buried produced water vaults that will be protective of groundwater.

PDC will be installing (3) buried produced water vaults total. Two of the vaults will be double walled vaults that can be monitored to insure the integrity is good. The third vault is smaller and will only be installed 2 foot in depth, well above the water table. All three vaults will have a claymax liner installed underneath.

2) In the Cultural Setback Distance section you have indicated the nearest Building and Building Unit to a proposed well is 1,596 feet and 1,802 feet, respectively. During my review these two distance appear to be based on an outbuilding and residence located west across the Latham Ditch. However, during my review I identified a residence with several outbuildings to the northwest along US Highway 34 that appear to be closer by a few hundred feet. See the attached screenshot. Will you confirm the distances to the nearest Building and Building Unit on this parcel. If they are closer, I will revise these two distances on the Form 2A. You are correct, there is a closer Building and BU. The correct distances are 1245' Building, 1532' BU

Please respond to this correspondence by April 14, 2017. If you have any questions, please contact me. Thank you.



Doug Andrews

Oil & Gas Location Assessment Specialist - Northeast Colorado



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303-894-2100 Ext. 5180

Garrison - DNR, Penny <penny.garrison@state.co.us>
 To: Venessa Chase <Venessa.Chase@pdce.com>
 Cc: "Andrews - DNR, Doug" <doug.andrews@state.co.us>

Wed, Mar 15, 2017 at 2:50 PM

Venessa,
I have reviewed one of the form 2's and it looks like I will also need updated distances to Building and Building Unit for all the form 2's.

Please send to me in a spreadsheet if you have it.

Thanks,
Penny

Penny Garrison

Permitting/Completion Technician



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