



STATE OF
COLORADO

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

RE: *EXT* COGCC Form 2A review for Crescent Point Energy's Harvey Pad location - Doc #401257752

6 messages

Lori Browne <lbrowne@crescentpointenergy.com>
To: "Andrews - DNR, Doug" <doug.andrews@state.co.us>
Cc: Todd Teren <tteren@crescentpointenergy.com>

Tue, May 9, 2017 at 1:49 PM

Good afternoon Doug,

Regarding #1 below, I'm wondering if you have a few minutes today or tomorrow to discuss with myself and our drilling engineer (copied on this email)? We just have a couple of questions.

As for #2, that makes sense. Do you need me to go into the system and make the update or will you do that on your end? And same for #3, would you like me to add the attachment to the submitted Form 2A or should I email the attachment to you directly?

Apologies for the errors, we're still learning on our end. Thanks for the help!

Regards,

Lori Browne

Senior Regulatory Specialist

Crescent Point Energy

From: Andrews - DNR, Doug [mailto:doug.andrews@state.co.us]

Sent: Tuesday, May 09, 2017 10:47 AM

To: Lori Browne

Subject: *EXT* COGCC Form 2A review for Crescent Point Energy's Harvey Pad location - Doc #401257752

Lori,

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

1) In the Drilling Waste Management Program section you have indicated that drilling fluids and cuttings will be disposed of Offsite via Commercial Disposal. However, the Waste Management Plan indicates *"Drilling wastes such as drill cutting and water based drilling fluids will be reused by land spreading on COGCC approved mud farms per COGCC Rule 907.d.(3)."* Please confirm the method of drilling fluid and cuttings disposal planned for the wells on this proposed Oil & Gas Location. As you have indicated that oil based drilling fluids will be used, please revise the Waste Management Plan to include discussion of how they will be managed.

2) In the Water Resources section you have indicated the estimated depth to groundwater is 47 feet based on water well Permit #148756 located approximately 3,600 feet southwest. A review of that water well indicates it was screened at a depth of 180 to 299 feet. Therefore, the listed static water level of 47 feet is likely not indicative of how shallow groundwater may be in this area. During my review I identified water well Permit #11577-R located approximately 3,800 feet southeast that was drilled to only a depth of 32 feet and has a static water level of 15 feet. This water well appears to be more representative of how shallow groundwater can be in this area. Therefore, I would like to change the estimated depth to groundwater from 47 feet to 15 feet.

3) While you have listed the correct NRCS Soil Map Units that underlie this proposed Oil & Gas Location, the NRCS Map Unit Description attachment is incorrect. While the map showing the boundaries of the Soil Map Units and corresponding map legend are useful, the attachment needs to contain the NRCS soil description for each of the three soil map units. Please send me the NRCS Map Unit Descriptions for each of the three NRCS Soil Map Units.

Please respond to this correspondence by June 9, 2017. If you have any questions, please contact me. Thank you.

Doug Andrews

Oil & Gas Location Assessment Specialist - Northeast Colorado



1120 Lincoln St., Suite 801

Denver, CO 80203

doug.andrews@state.co.us

303-894-2100 Ext. 5180

Andrews - DNR, Doug <doug.andrews@state.co.us>
To: Lori Browne <lbrowne@crescentpointenergy.com>
Cc: Todd Teren <tteren@crescentpointenergy.com>

Tue, May 9, 2017 at 2:02 PM

Lori,

I have time tomorrow to discuss the drilling waste disposal concerns.

For #2, I just need your agreement and concurrence and I will make the change on your behalf.

For #3, I just need you to send me a PDF of all three NRCS Map Unit Descriptions and I will swap them out on the 2A.

Once the permit is submitted to us, you can only view it in eForms, not make edits or changes to it on your end.

Doug Andrews

Oil & Gas Location Assessment Specialist - Northeast Colorado



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Denver, CO 80203

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Lori Browne <lbrowne@crescentpointenergy.com>
To: "Andrews - DNR, Doug" <doug.andrews@state.co.us>
Cc: Todd Teren <tteren@crescentpointenergy.com>

Tue, May 9, 2017 at 4:41 PM

Hi Doug,

Does 9am tomorrow work for you? If not, let us know what is a good time and we'll make it work.

For #2, I agree, please make the change on our behalf.

For #3, I will send those over to you first thing in the morning.

Thanks!

Lori Browne

Senior Regulatory Specialist

Crescent Point Energy

From: Andrews - DNR, Doug [mailto:doug.andrews@state.co.us]

Sent: Tuesday, May 09, 2017 2:03 PM

To: Lori Browne

Cc: Todd Teren

Subject: Re: *EXT* COGCC Form 2A review for Crescent Point Energy's Harvey Pad location - Doc #401257752

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Lori Browne <lbrowne@crescentpointenergy.com>
To: "Andrews - DNR, Doug" <doug.andrews@state.co.us>

Thu, May 11, 2017 at 12:19 PM

Hello Doug,

My sincere apologies for not getting back with you yesterday. I had a personal emergency that required me to run to Junction for the day. Todd let me know he spoke with you though and got everything squared away.

I've attached the soils map unit descriptions as discussed. Let me know if that doesn't address your concern.

Also, do you by chance know the process for OGLA notifications to Landowners? I received the automated response from COGCC regarding my permit submissions, with the note to provide landowner notice as required by Rule 305.c. We have done this, but do I need to provide a copy of this notice to you? Obviously I am unable to upload a copy of the notification so I wasn't sure if that too is meant to be emailed?

Thanks again for your assistance.

Lori Browne

Senior Regulatory Specialist

Crescent Point Energy

From: Lori Browne

Sent: Tuesday, May 09, 2017 4:41 PM

To: 'Andrews - DNR, Doug'

Cc: Todd Teren

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 **Harvey Pad 7-63-24-SWSW NRCS Soils Map 02282017.pdf**
933K

Lori Browne <lbrowne@crescentpointenergy.com>
To: "Andrews - DNR, Doug" <doug.andrews@state.co.us>

Thu, May 11, 2017 at 1:25 PM

Hello again Doug,

I've now attached a revised Waste Management Plan per your discussion with Todd yesterday.

Let me know if you need anything further. Thanks again!

Lori Browne

Senior Regulatory Specialist

Crescent Point Energy

From: Lori Browne

Sent: Thursday, May 11, 2017 12:20 PM

To: 'Andrews - DNR, Doug'

Subject: RE: *EXT* COGCC Form 2A review for Crescent Point Energy's Harvey Pad location - Doc #401257752

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Waste Management Plan Summary revised May 2017.pdf

106K

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

To: Lori Browne <lbrowne@crescentpointenergy.com>

Thu, May 11, 2017 at 1:25 PM

Lori,

"I received the automated response from COGCC regarding my permit submissions, with the note to provide landowner notice as required by Rule 305.c. We have done this, but do I need to provide a copy of this notice to you?" - No. We may ask Crescent Point Energy to certify that the 305.c. Notices were sent and/or received, but we will let you know if we need that.

Doug Andrews

Oil & Gas Location Assessment Specialist - Northeast Colorado



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