

STATE OF
COLORADO

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

COGCC Form 2A review of Synergy Resources Hood-Doles 37-20 location - Doc #401167301

10 messages

Andrews - DNR, Doug <doug.andrews@state.co.us>
To: Erin Ekblad <eeekblad@syrginfo.com>

Mon, Jan 30, 2017 at 11:47 AM

Erin,

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

- 1) In the Cultural Setback Distance section you have provided distances from the nearest well to the various Cultural features. From your Location Drawing, these distances appear to be based on the Reference Well (Hood 25N-22B-M). This is the northern most of the line of proposed well. However, the nearest Public Road, Above Ground Utility, and Railroad are south of this proposed Oil & Gas Location, making well Hood 36N-22C-M the closest well to these three Cultural features. The APD for the Hood 36N-22C-M indicates the nearest Public Road, Above Ground Utility, and Railroad are 475 feet, 503 feet, and 4,404 feet, respectively. Therefore, I would like to change these distances on the Form 2A to reflect that.
- 2) You have included a Lighting BMP that states: *"Once the drilling and completion rigs leave the site, there will be no permanently installed lighting on site. Lighting shall be mounted at compressor stations on a pole or building and directed downward to illuminate key areas within the facility, while minimizing the amount of light projected outside the facility."* These two statements are contradictory. Please revise the Lighting BMP to resolve this.
- 3) A review of your Location Drawing shows the MLVT will be placed immediately northeast of the proposed wells. Per the COGCC Policy, MLVTs must meet a safety setback of 75 feet from a wellhead. The placement of this MLVT appears to be very close to this safety setback. Please confirm that the placement of this MLVT will comply with the safety setbacks listed in the MLVT Policy. Additionally, your proposed disturbance area for where the MLVT will be placed is on a mapped wetlands (see the attached screenshot from COGIS). Has Synergy Resources contacted the Army Corps of Engineers about this? Given these two concerns, is there anywhere else Synergy can place the MLVT to be out of this mapped wetland? Perhaps southeast of the proposed wells?



4) Whenever, a proposed Oil & Gas Location has wells or production facilities within a Buffer Zone, the operator must provide evidence that the Rule 305.a. pre-application notices were received by all Building Unit Owners in the Buffer Zone. There is no evidence of this attached to the Form 2A. Please provide it to me and will attach it for you.

5) Now that the Public Comment period is over, please provide me with a letter certifying Synergy Resources' compliance with COGCC Rule 306.e. If any meetings/consultations were held, please also indicate their outcome.

Please respond to this correspondence by March 1, 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

Erin Ekblad <eekblad@syrginfo.com>
To: "Andrews - DNR, Doug" <doug.andrews@state.co.us>

Wed, Feb 1, 2017 at 4:35 PM

Doug,

I will have information tomorrow.

I did not want you to think I was ignoring your email since I have not responded yet. I usually try to respond in same day if I can. We have an environmental document that is getting provided to me by Surface Land regarding the Wetland topic as well.

For number 1, Yes.

Thanks again for your help. Hope you are not having a stressful week. Learning all the new WOGLA requirements for Plats for new submissions has been fun, keeping me on my toes learning new things every day.

Erin

Erin Ekblad | Manager of Regulatory Affairs

Synergy Resources Corporation

1625 Broadway; Suite 500

Denver, CO 80202

Direct: [720.616.4319](tel:720.616.4319)

Cell: [303.550.2375](tel:303.550.2375)



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

Sent: Monday, January 30, 2017 11:48 AM

To: Erin Ekblad <EEKBLAD@SYRGINFO.COM>

Subject: COGCC Form 2A review of Synergy Resources Hood-Doles 37-20 location - Doc #401167301

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Erin Ekblad <EEKBLAD@SYRGINFO.COM>

Thu, Feb 2, 2017 at 1:54 PM

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

Doug,

Answers are in RED, and the BLUE one is a pending item, with a question for you!

1) In the Cultural Setback Distance section you have provided distances from the nearest well to the various Cultural features. From your Location Drawing, these distances appear to be based on the Reference Well (Hood 25N-22B-M). This the northern most of the line of proposed well. However, the nearest Public Road, Above Ground Utility, and Railroad are south of this proposed Oil & Gas Location, making well Hood 36N-22C-M the closet well to these three Cultural features. The APD for the Hood 36N-22C-M indicates the nearest Public Road, Above Ground Utility, and Railroad are 475 feet, 503 feet, and 4,404 feet, respectively. Therefore, I would like to change these distances on the Form 2A to reflect that.

Yes

2) You have included a Lighting BMP that states: *"Once the drilling and completion rigs leave the site, there will be no permanently installed lighting on site. Lighting shall be mounted at compressor stations on a pole or building and directed downward to illuminate key areas within the facility, while minimizing the amount of light projected outside the facility."* These two statements are contradictory. Please revise the Lighting BMP to resolve this.

Once the drilling and completion rigs leave the site, lighting usually exists on the entrance/exit doors to the LACT units and Instrument Air skids, all for safety. The light fixtures need to be specified as "shine down" with appropriate shields.

3) A review of your Location Drawing shows the MLVT will be placed immediately northeast of the proposed wells. Per the COGCC Policy, MLVTs must meet a safety setback of 75 feet from a wellhead. The placement of this MLVT appears to be very close to this safety setback. Please confirm that the placement of this MLVT will comply with the safety setbacks listed in the MLVT Policy. Additionally, your proposed disturbance area for where the MLVT will be placed in on a mapped wetlands (see the attached screenshot from COGIS). Has Synergy Resources contacted the Army Corps of Engineers about this? Given these two concerns, is there

anywhere else Synergy can place the MLVT to be out of this mapped wetland? Perhaps southeast of the proposed wells?

Attached environmental study. It was has been determined this is not a wetlands area.

RECOMMENDATIONS:

The Corps references three basic characteristics of wetlands when making a determination; vegetation, soil, and hydrology. Unless an area has been altered or is a rare form of land area, indicators of all three characteristics must be present during some portion of the growing season for an area to be considered a wetland. During the onsite visit, no hydrophytic vegetation, hydric soils, or wetland hydrology were observed. Based on field observations, Quandary does not believe a wetland is present at the location.

4) Whenever, a proposed Oil & Gas Location has wells or production facilities within a Buffer Zone, the operator must provide evidence that the Rule 305.a. pre-application notices were received by all Building Unit Owners in the Buffer Zone. There is no evidence of this attached to the Form 2A. Please provide it to me and will attach it for you.

The surface owner is the BU owner. The letter was sent November 2, 2016 certified. The Surface Owner and BU owner waived this so I have records of both. If they waived it, can I just send you their signature of the waiving? If so- I am requesting this from our Surface Landman. We just waited over 30 days to submit as the holidays crept up on all of us. Let me know which you would prefer, the signed waiver or the letter?

5) Now that the Public Comment period is over, please provide me with a letter certifying Synergy Resources' compliance with COGCC Rule 306.e. If any meetings/consultations were held, please also indicate their outcome.

Attached!

Erin Ekblad | Manager of Regulatory Affairs

Synergy Resources Corporation

1625 Broadway; Suite 500

Denver, CO 80202

Direct: 720.616.4319

Cell: 303.550.2375



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From: Andrews - DNR, Doug [mailto:doug.andrews@state.co.us]
Sent: Monday, January 30, 2017 11:48 AM
To: Erin Ekblad <EEKBLAD@SYRGINFO.COM>
Subject: COGCC Form 2A review of Synergy Resources Hood-Doles 37-20 location - Doc #401167301

Erin,

[Quoted text hidden]

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2 attachments

 **Initial Site Assessment (ISA) Hood-Doles - Quandary_160801.pdf**
5904K

 **306 e Certification Letter to Hood Doles Pad.pdf**
235K

Erin Ekblad <EEKBLAD@SYRGINFO.COM>
To: "Andrews - DNR, Doug" <doug.andrews@state.co.us>

Mon, Feb 6, 2017 at 11:56 AM

Doug

After further review with our Survey group with 609, the distance for the MLVT is 68 feet, and we will need to move it to be 78 plus feet away. We can get a new drawing prepared to move it 10 plus feet north. I wanted to see though if we moved it to the North are you okay with the site assessment report about it not being a wetlands area? If so, we will get a new drawing worked up for you with MLVT to the North and could probably get this to you early this week.

Erin Ekblad | Manager of Regulatory Affairs

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2 attachments



Initial Site Assessment (ISA) Hood-Doles - Quandary_160801.pdf

5904K



306 e Certification Letter to Hood Doles Pad.pdf

235K

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

Wed, Feb 8, 2017 at 12:17 PM

To: Erin Ekblad <eekblad@syrinfo.com>

Erin,

Based on the phone call from Dave Kulman and you this morning, Synergy will be moving the MLVT to be placed southeast of the proposed well and you'll be preparing a drawing to show that. If this is wrong let me know.

Also, yes, please send the waivers for the 305.a. pre-app notifications.

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

[Quoted text hidden]

Erin Ekblad <eekblad@syrinfo.com>

Wed, Feb 8, 2017 at 1:33 PM

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

Yes- I will get you both soon! Possibly tomorrow when plat is done. ☺

Erin Ekblad | Manager of Regulatory Affairs

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

Sent: Wednesday, February 08, 2017 12:17 PM

To: Erin Ekblad <EEKBLAD@SYRGINFO.COM>

Subject: Re: FW: COGCC Form 2A review of Synergy Resources Hood-Doles 37-20 location - Doc #401167301

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Erin Ekblad <EEKBLAD@SYRGINFO.COM>

Fri, Feb 10, 2017 at 8:50 AM

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

Doug,

Attached is the revision for the MLVT. I was notified by Surface Land they will send me the waiver notification today. They will be heading to Denver soon from Greeley office.

Erin Ekblad | Manager of Regulatory Affairs

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

Sent: Wednesday, February 08, 2017 12:17 PM

To: Erin Ekblad <EEKBLAD@SYRGINFO.COM>

Subject: Re: FW: COGCC Form 2A review of Synergy Resources Hood-Doles 37-20 location - Doc #401167301

Erin,

[Quoted text hidden]

[Quoted text hidden]

2 attachments



HOOD-DOLES 37-20_FACILITY_LOCATION_DRAWING_REV_20170209.pdf
1444K



HOOD-DOLES 37-20_FACILITY_PAD_LOCATION_PHOTOGRAPHS_20161103.pdf
667K

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

To: Erin Ekblad <EEKBLAD@SYRGINFO.COM>

Fri, Feb 10, 2017 at 1:46 PM

Erin,

I need to have the Location Drawing updated to show the new placement of the MLVT as well.

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

[Quoted text hidden]

Andrews - DNR, Doug <doug.andrews@state.co.us>
To: Erin Ekblad <eeekblad@syrinfo.com>

Fri, Feb 10, 2017 at 1:51 PM

And the Access Road Map and Hydrology Map too. Your NICO Zone Map and Reclamation Plan also show the old MLVT placement, but those two drawings are technically not required for this 2A. Therefore, I would like to remove them instead of having to swap them out with corrected versions.

Doug Andrews
Oil & Gas Location Assessment Specialist - Northeast Colorado



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[Quoted text hidden]

Erin Ekblad <eekblad@syrginfo.com>
To: "Andrews - DNR, Doug" <doug.andrews@state.co.us>

Fri, Feb 10, 2017 at 1:54 PM

Doug

Attached these three. And you can remove Nico zone and Reclamation.

Erin Ekblad | Manager of Regulatory Affairs

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

Sent: Friday, February 10, 2017 1:51 PM

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[Quoted text hidden]

3 attachments



HOOD-DOLES 37-20_HYDROLOGY_MAP_REV_20170209.pdf
617K



HOOD-DOLES 37-20_ACCESS_ROAD_MAP_AND_PHOTOGRAPHS_REV_20170209.pdf
1233K



HOOD-DOLES 37-20_LOCATION_DRAWING_REV_20170209.pdf
1392K