



STATE OF
COLORADO

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

COGCC Form 2A review for Noble Energy's Rainbow LC28-74-1HNA Mt location - Doc #400509373

5 messages

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

Mon, Nov 25, 2013 at 3:21 PM

Justin,

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

1) You have indicated that a closed loop system will be used for the drilling fluids, but you have also indicated one drilling pit will be used as well. Is this correct?

2) In the Construction section you have indicated the size of this location after interim reclamation will be 18 acres. This is a very large area that will not be interim reclaimed. Please send me a description of how Noble intends to manage and stabilize the acreage that is not interim reclaimed.

3) In the Cultural Distance Information section, the distance to the nearest Designated Outside Activity Areas and High Occupancy Building Units should be given out to one mile (5,280 feet). During my review I did not note any of these two Cultural features within one mile of the oil and gas location. Therefore, I will change their distance on the Form 2A from 1,000 feet to 5,280 feet.

4) Please send me a corrected Location Drawing that indicates the nearest High Occupancy Building Unit and Designated Outside Activity Area are greater than 5,280 feet. You may hand correct the original Location Drawing if you'd like.

Please comply with these requests by December 25, 2013. If you have any questions, please feel free to contact me. Thank you.

—
Doug Andrews

Oil & Gas Location Assessment Specialist - Northeast Area
Colorado Oil & Gas Conservation Commission
1120 Lincoln St., Suite 801
Denver, CO 80203

doug.andrews@state.co.us
303-894-2100 Ext. 5180

JDGarrett@nobleenergyinc.com <JDGarrett@nobleenergyinc.com>
To: "Andrews - DNR, Doug" <doug.andrews@state.co.us>
Cc: "Westerdale - DNR, Barbara" <barbara.westerdale@state.co.us>

Thu, Dec 5, 2013 at 8:18 AM

The drilling pit listed on the equipment count was copied into this permit from the equipment listed on the scout card.

Our landman wanted to make sure that the equipment matched, so they made sure that all of the existing equipment was listed.

However, reading the approved EOG permit, the drilling pit that was submitted was a special use pit for cuttings. There is no drilling pit on the approved permit. It was removed by the OGLA and renamed as a cuttings pit on the equipment count. Since EOG did not drill the well, they didn't ever use a cuttings pit, so there is not one on location.

Today, there is no visible evidence of there ever being a pit on location, but one is listed.

I think we should remove the drilling pit from the equipment list, as there is not one existing on location and we are not creating one as part of this amendment.

We previously addressed the 5280 issue from 3 & 4, where they are in fact 5280 and should be changed on the permit, but we wouldn't be required to alter the attachments (just get it right next time), per Jane.

With this, I think the only thing still outstanding is that we owe you some language to explain the hugeness of what we intend to not reclaim. I know that it is being worked.

Am I missing anything else?

Justin Garrett
Regulatory
(303) 228-4449
JDGarrett@nobleenergyinc.com

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

To: jdgarett@nobleenergyinc.com

Date: 11/25/2013 03:21 PM

Subject: EXTERNAL: COGCC Form 2A review for Noble Energy's Rainbow LC28-74-1HNA Mt location - Doc #400509373

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

Mon, Jan 6, 2014 at 12:36 PM

To: JDGarrett@nobleenergyinc.com

Cc: "Westerdale - DNR, Barbara" <barbara.westerdale@state.co.us>

Justin,

I wanted to follow-up with you on the Form 2A. Has Noble come up with some language to justify why they will need 18 acres after interim reclamation for this oil and gas location? Please let me know by January 16, 2014. Thanks.

[Quoted text hidden]

JDGarrett@nobleenergyinc.com <JDGarrett@nobleenergyinc.com>

Mon, Jan 6, 2014 at 2:04 PM

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

❖ These wells are projected to have higher rates of liquids production; therefore more tanks than needed on our other batteries are required. Noble adjusted the facility design to reduce the impact of increased tank counts in the following ways:

- Reduced storage requirement to 3 days of production (from the typical 5 days).
- Changed tank size to 750 bbls (from the typical 500 bbls).

- ❖ Some of the gains in disturbance are due to each well requiring its own dedicated separator.
- ❖ Based on our current proposals, our disturbance after reclamation per well are as follows:
- 1.1 acre per well for the Rainbow LC28-74-1HNA Multi 2A

All of this applies to Susan's Rico pad too. She is going to send you a response about that.

Justin Garrett
Regulatory
(303) 228-4449
JDGarrett@nobleenergyinc.com

From: "Andrews - DNR, Doug" <doug.andrews@state.co.us>
To: JDGarrett@nobleenergyinc.com
Cc: "Westerdale - DNR, Barbara" <barbara.westerdale@state.co.us>
Date: 01/06/2014 12:36 PM
Subject: EXTERNAL: Re: COGCC Form 2A review for Noble Energy's Rainbow LC28-74-1HNA Mt location - Doc #400509373
[Quoted text hidden]

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

Wed, Jan 8, 2014 at 2:12 PM

Justin,

Thank you for providing this additional information. I'd like to take a look at this location when its being constructed, so I will add the following Condition of Approval.

"Provide a Form 42 Notice of Construction to COGCC 48-hours prior to commencement of construction activities."

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