



STATE OF  
COLORADO

Christopher - DNR, Brian <brian.christopher@state.co.us>

---

## Glyde-Nana Unit 1-15

9 messages

---

Phyllis Brewer <PBrewer@gmocks.com>

Thu, Feb 27, 2020 at 1:49 PM

To: "Christopher - DNR, Brian" <brian.christopher@state.co.us>

Brian:

I have called you the last couple days left a message Wednesday, but I will try to bring you up to speed on this well over email:

Rohrbaugh Interests is – surface owner Sec. 15

Aandarko is – Mineral Interests Sec. 15

State Colo is – owner of Sec. 16

I didn't put Anadarko Land Corp on the Surface Owner list because they are Mineral owner. – Anadarko Land Corp - 1099 18<sup>th</sup> St., Ste 1800, Denver, CO 80202

We are still disposing into the pit onsite and evaporating as requested.

We need to change the planned to commence construction date to 11/1/2020 and the interim reclamation date to 5/1/2021

If need be the Size of disturbed area during construction in acres can be changed to 4.99 and after interim reclamation can be changed to 1.00

Phyllis Brewer

Grand Mesa Operating Co.

---

brian.christopher@state.co.us <brian.christopher@state.co.us>

Fri, Feb 28, 2020 at 9:34 AM

To: PBrewer@gmocks.com, PBrewer@GMOCKS.com

Your message

To: PBrewer@GMOCKS.com

Subject: Glyde-Nana Unit 1-15

Sent: 2/27/20, 1:49:45 PM MST

was read on 2/28/20, 9:34:19 AM MST

**Christopher - DNR, Brian** <brian.christopher@state.co.us>  
To: Phyllis Brewer <PBrewer@gmocks.com>

Wed, Mar 4, 2020 at 2:11 PM

Phyllis,

While reviewing the Glyde-Nana Unit 1-15, Form 2A# 401802351, and with our call yesterday, I came up with the following revisions for this location:

- 1) Please provide updated Construction Start and Interim Start Dates.
- 2) Confirmation of the reduction in the size of the location after interim reclamation to 1 acre.
- 3) Please provide confirmation to update the right to construct information to SUA and remove the bonding references. I have your SUA from the previous email.
- 4) Please provide distances to school facilities, school property lines, and child care centers, the portion of the section asking this appears to have been added after this Form was submitted.
- 5) Please provide the local government information for this location.
- 6) Assuming that there is dewatering of the pit, please provide me with a new drilling fluids disposal method and concurrence to change the drilling waste management.
- 7) Please provide concurrent to remove the "Other" attachment (informal 1,000 ft. attachment), as it is not necessary for this Form.
- 8) BMPs
  - a) BMP#1. Please provide concurrence to call BMP#1 a planning BMP, as BMP type is currently blank. (300 ft. buffer BMP).
  - b) BMP#2. Stormwater. Please provide concurrence to drop the portion of the BMP talking about the SWMP, as COGCC does not review SWMPs.
  - c) Fencing BMP. Please provide a BMP for fencing of the drilling pit.
- 9) We will be adding a COA, based upon soil type and depth to groundwater. *In addition to collecting and analyzing representative samples of the drilling pit contents in accordance with Rule 905, operator shall collect a sample from the soils at the base of the drilling pit prior to pit closure to ensure the soils meet the concentration levels in COGCC Rules Table 910-1 prior to backfilling the pit. The sample results shall be provided to COGCC within 14 days of request.*
- 10) Existing COA on this location is: *Location lies within a Sensitive Area with potential shallow groundwater. In the event groundwater is encountered during the construction of the drilling pit, Operator shall line the pit or switch to an above-ground tank.*
- 11) Existing COA on this location is: *Location lies within a Sensitive Area within proximity to a surface water feature. Operator shall use engineering controls to minimize the potential for sediment/contaminant migration into the nearby waterway.*

My review is based on the assumption that the drilling pit will be dewatered, if otherwise some revisions will be needed.

I have not been able to talk with Melissa about listing both surface owners on the unit, so do not have an answer for that yet.

Please let me know if you have questions about any of this.

**Brian Christopher**  
**Oil & Gas Location Assessment Specialist**



**COLORADO**  
Oil & Gas Conservation  
Commission  
Department of Natural Resources

P 303.894.2100 x5271  
1120 Lincoln Street, Suite 801, Denver, CO 80203  
[Brian.Christopher@state.co.us](mailto:Brian.Christopher@state.co.us) | [www.colorado.gov/cogcc](http://www.colorado.gov/cogcc)

[Quoted text hidden]

**Phyllis Brewer** <PBrewer@gmocks.com>  
To: "Christopher - DNR, Brian" <brian.christopher@state.co.us>

Fri, Mar 6, 2020 at 9:06 AM

This should answer all of your questions that you needed please let me know if you need anything further. Have a good weekend!

Thanks

Phyllis

**From:** Christopher - DNR, Brian <[brian.christopher@state.co.us](mailto:brian.christopher@state.co.us)>  
**Sent:** Wednesday, March 4, 2020 3:11 PM  
**To:** Phyllis Brewer <PBrewer@GMOCKS.com>  
**Subject:** Re: Glyde-Nana Unit 1-15

Phyllis,

While reviewing the Glyde-Nana Unit 1-15, Form 2A# 401802351, and with our call yesterday, I came up with the following revisions for this location:

- 1) Please provide updated Construction Start and Interim Start Dates.

Construction start dt: 11/1/2020      Interim recl. Dt: 5/1/2020

- 2) Confirmation of the reduction in the size of the location after interim reclamation to 1 acre.

Attached new maps for the interim reclamation size of .75 and the Construction size of 4.99

- 3) Please provide confirmation to update the right to construct information to SUA and remove the bonding references. I have your SUA from the previous email.

Yes... you may change the right to construct to SUA

- 3) Please provide distances to school facilities, school property lines, and child care centers, the portion of the section asking this appears to have been added after this Form was submitted.

School Facility: 5280'

School Property Line: 5280'

Child Care Center: 5280'

5) Please provide the local government information for this location.

Local Govt Info: County: Lincoln

Municipality: N/A

Local Govt with jurisdiction is: County

Does Local Govt regulate the siting of locations: No

Disposition of the app filed with the local govt is: Waived

6) Assuming that there is dewatering of the pit, please provide me with a new drilling fluids disposal method and concurrence to change the drilling waste management.

Waterbased Bentonitic fluids, except de minimus amts will be removed from the drilling pit and disposed of in accordance with the 900 series rules at Grand Mesa Operating Co - Class II UIC Disposal Buzzer Boat #14 - UIC #160003, SESW 24-5S-54W, Wash, Colo.

7) Please provide concurrence to remove the "Other" attachment (informal 1,000 ft. attachment), as it is not necessary for this Form.

Yes you may remove the Other attachment

8) BMPs

- a) BMP#1. Please provide concurrence to call BMP#1 a planning BMP, as BMP type is currently blank. (300 ft. buffer BMP). Concur
- b) BMP#2. Stormwater. Please provide concurrence to drop the portion of the BMP talking about the SWMP, as COGCC does not review SWMPs. Concur
- c) Fencing BMP. Please provide a BMP for fencing of the drilling pit. GMOC will place a fence around the drilling pit to keep animals out of same.

9) We will be adding a COA, based upon soil type and depth to groundwater. *In addition to collecting and analyzing representative samples of the drilling pit contents in accordance with Rule 905, operator shall collect a sample from the soils at the base of the drilling pit prior to pit closure to ensure the soils meet the concentration levels in COGCC Rules Table 910-1 prior to backfilling the pit. The sample results shall be provided to COGCC within 14 days of request.* Concur

10) Existing COA on this location is: *Location lies within a Sensitive Area with potential shallow groundwater. In the event groundwater is encountered during the construction of the drilling pit, Operator shall line the pit or switch to an above-ground tank.* Concur

11) Existing COA on this location is: *Location lies within a Sensitive Area within proximity to a surface water feature. Operator shall use engineering controls to minimize the potential for sediment/contaminant migration into the nearby waterway.* Concur

My review is based on the assumption that the drilling pit will be dewatered, if otherwise some revisions will be needed.

I have not been able to talk with Melissa about listing both surface owners on the unit, so do not have an answer for that yet.

Please let me know if you have questions about any of this.

**Brian Christopher**  
**Oil & Gas Location Assessment Specialist**



**COLORADO**  
Oil & Gas Conservation  
Commission  
Department of Natural Resources

P 303.894.2100 x5271  
1120 Lincoln Street, Suite 801, Denver, CO 80203  
[Brian.Christopher@state.co.us](mailto:Brian.Christopher@state.co.us) | [www.colorado.gov/cogcc](http://www.colorado.gov/cogcc)

[Quoted text hidden]

---

**2 attachments**



**Glyde-Nana Unit 1-15 Hydrology Map-UPDATED for COGCC.pdf**  
1675K



**Glyde-Nana Unit 1-15 Location Drwg-UPDATED for COGCC 2020.pdf**  
1650K

---

**Christopher - DNR, Brian** <brian.christopher@state.co.us>  
To: Phyllis Brewer <PBrewer@gmocks.com>

Fri, Mar 6, 2020 at 11:33 AM

Phyllis,

Two quick revisions:

1. Interim start date is before construction start. Should the interim date be 11/1/2021?
- 8.c.. Wildlife BMP language is a bit awkward. Can this be rephrased a bit (the "out of same" portion is where I am sticking).

Thanks,

**Brian Christopher**  
**Oil & Gas Location Assessment Specialist**



**COLORADO**  
Oil & Gas Conservation  
Commission  
Department of Natural Resources

P 303.894.2100 x5271  
1120 Lincoln Street, Suite 801, Denver, CO 80203  
[Brian.Christopher@state.co.us](mailto:Brian.Christopher@state.co.us) | [www.colorado.gov/cogcc](http://www.colorado.gov/cogcc)

[Quoted text hidden]

---

**brian.christopher@state.co.us** <brian.christopher@state.co.us>  
To: PBrewer@gmocks.com, PBrewer@GMOCKS.com

Fri, Mar 6, 2020 at 11:40 AM

Your message

To: PBrewer@GMOCKS.com  
Subject: RE: Glyde-Nana Unit 1-15  
Sent: 3/6/20, 9:06:39 AM MST

was read on 3/6/20, 11:40:29 AM MST

---

**Phyllis Brewer** <PBrewer@gmocks.com>  
To: "Christopher - DNR, Brian" <brian.christopher@state.co.us>

Fri, Mar 6, 2020 at 12:32 PM

Phyllis

**From:** Christopher - DNR, Brian <brian.christopher@state.co.us>  
**Sent:** Friday, March 6, 2020 12:33 PM  
**To:** Phyllis Brewer <PBrewer@GMOCKS.com>  
**Subject:** Re: Glyde-Nana Unit 1-15

Phyllis,

Two quick revisions:

1. Interim start date is before construction start. Should the interim date be 11/1/2021? Start date is 11/1/2020 ---- Interim should be 5/1/2021 (sorry)

8.c.. Wildlife BMP language is a bit awkward. Can this be rephrased a bit (the "out of same" portion is where I am sticking). GMOC will place a fence around the drilling pit to keep animals out and will take down when drilling pit is able to be closed.

[Quoted text hidden]

[Quoted text hidden]

---

**Christopher - DNR, Brian** <brian.christopher@state.co.us>  
To: Phyllis Brewer <PBrewer@gmocks.com>

Thu, Mar 19, 2020 at 2:23 PM

Phyllis,

I just talked the surface ownership of this location over with Melissa, and she says to treat this as a strictly private well for the surface ownership on the 2A. As the Rohrbaughs are the sole surface owner for the land on which the well pad will be built, I want to remove the State Land Board from the Form (minerals may be different, I will let Permitting handle the Form 2 and how they want that).

Due to the presence of the drilling pit, depth to groundwater, and proximity to surface water, the following COA will be added to this location:

Operator shall notify COGCC via a Form 42 Field Operations Notice for Completion of Permit Condition to allow for COGCC inspection at least 48 hours prior to backfilling and closing the drilling pit in accordance with Rule 1003. Operator shall collect representative samples of the pit contents to ensure that the cuttings/soils meet the concentration levels in COGCC Rules Table 910-1 prior to backfilling the pit. The sample results shall be provided to COGCC within 14 days of request.

Please let me know if you concur with making this surface ownership change. I will then be able to move this location into Objective Criteria Review and Final.

Thanks,

**Brian Christopher**  
**Oil & Gas Location Assessment Specialist**



**COLORADO**  
Oil & Gas Conservation  
Commission  
Department of Natural Resources

P 303.894.2100 x5271  
1120 Lincoln Street, Suite 801, Denver, CO 80203  
[Brian.Christopher@state.co.us](mailto:Brian.Christopher@state.co.us) | [www.colorado.gov/cogcc](http://www.colorado.gov/cogcc)

[Quoted text hidden]

---

**Phyllis Brewer** <PBrewer@gmocks.com>  
To: "Christopher - DNR, Brian" <brian.christopher@state.co.us>

Thu, Mar 19, 2020 at 2:57 PM

Brian I agree with your changes to the 2A

Phyllis

Sent from my iPhone

On Mar 19, 2020, at 3:24 PM, Christopher - DNR, Brian <[brian.christopher@state.co.us](mailto:brian.christopher@state.co.us)> wrote:

[Quoted text hidden]