

STATE OF
COLORADO

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

COGCC Form 2A review of Carrizo Niobrara's SONIC STAR 1-12-8-60 PAD - Doc #400806764

7 messages

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

Thu, May 14, 2015 at 2:23 PM

To: Cynthia Pinel <cynthia.pinel@crzo.net>

Cc: Holly Taylor - DNR <holly.taylor@state.co.us>

Cynthia,

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

- 1) Your Construction Layout Drawing shows two separators but in the Facilities section, only one separator is listed. Please confirm the number of separators planned for this oil and gas location.
- 2) Your Construction Layout Drawing indicates the disturbed area will be approximately 4.5 acres, but in the Construction section and your Location Drawing the size of the disturbed area is listed as 5.4 acres. Please confirm the size of the disturbed area during construction planned for this oil and gas location.
- 3) In the Right to Construct section you have indicated it is granted by a Surface Use Agreement. However, on the related Form 2 APD (Doc #400717455) the right to construct is indicated to be by an Oil and Gas Lease. Please confirm the right to construct this location and if it is by a Surface Use Agreement, please provide it and I will attach it to the Form 2A.
- 4) In the Cultural Distance section you have indicated the distance to the nearest Building and Building Unit from the well and production facilities is 3,832 feet. This distance appears to correspond to your Schneider 1-14-8-60 Pad. When providing this distance, we'd like Operators not to consider buildings on nearby oil and gas locations. Please provide me with revised distances to the nearest Building and Building Uni from both the well and the nearest production facilities.
- 5) In the Cultural Distance section you have indicated the distance to the nearest Above Ground Utility from the well and production facilities is 1,002 feet. This distance appears to correspond to the underground fiber optics cable shown on your Location Drawing. As this is not an above ground utility, it should not be considered. Please provide me with a revised distance to the nearest Above Ground Utility from both the well and the nearest production facilities.
- 6) In the Water Resources section you have indicated the nearest downgradient surface water feature is 757 feet. However, on your Hydrology Map no surface water features are listed shown within 1,000 feet of the proposed oil and gas location. Please confirm the distance to the nearest downgradient surface water feature and if necessary revise the Hydrology Map.
- 7) In the Water Resources section you have indicated the nearest water well is 1,705 feet. From your Hydrology Map this would be water well #8 (Permit #13952-F). A review of that water well's permit indicates the permit expired with the well apparently never having been drilled. However, there is a cross referenced water well (Permit #14646-F) nearby this location and that well was constructed. In fact, that water well is shown on the USGS Topo Map. Its distance from the proposed oil and gas location is approximately 2,650 feet and the listed static

water level is 13 feet. Your Hydrology Map does not show this water well but nearby water well #9 (Permit #43843), while closer to the proposed oil and gas location, was also apparently not drilled either. Therefore I would like to change the distance to the nearest water well to 2,650 feet and the estimated depth to groundwater to 13 feet.

Please respond to this correspondence by June 14, 2015. If you have any questions, please contact me. Thank you.

Doug Andrews

Oil & Gas Location Assessment Specialist - Northeast Area



1120 Lincoln St., Suite 801
Denver, CO 80203
doug.andrews@state.co.us
303-894-2100 Ext. 5180

Cynthia Pinel <Cynthia.Pinel@crzo.net>
To: "Andrews - DNR, Doug" <doug.andrews@state.co.us>
Cc: Holly Taylor - DNR <holly.taylor@state.co.us>

Tue, May 19, 2015 at 9:03 AM

Please see my responses in **BLUE**.

From: Andrews - DNR, Doug [<mailto:doug.andrews@state.co.us>]
Sent: Thursday, May 14, 2015 3:23 PM
To: Cynthia Pinel
Cc: Holly Taylor - DNR
Subject: COGCC Form 2A review of Carrizo Niobrara's SONIC STAR 1-12-8-60 PAD - Doc #400806764

Cynthia,

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

1) Your Construction Layout Drawing shows two separators but in the Facilities section, only one separator is listed. Please confirm the number of separators planned for this oil and gas location.

Two separators

2) Your Construction Layout Drawing indicates the disturbed area will be approximately 4.5

acres, but in the Construction section and your Location Drawing the size of the disturbed area is listed as 5.4 acres. Please confirm the size of the disturbed area during construction planned for this oil and gas location.

5.4 acres

3) In the Right to Construct section you have indicated it is granted by a Surface Use Agreement. However, on the related Form 2 APD (Doc #400717455) the right to construct is indicated to be by an Oil and Gas Lease. Please confirm the right to construct this location and if it is by a Surface Use Agreement, please provide it and I will attach it to the Form 2A.

It is by oil and gas lease and not surface use agreement. As the time gets closer to us drilling this well we will negotiate the surface use but our right to construct at this time is oil and gas lease.

4) In the Cultural Distance section you have indicated the distance to the nearest Building and Building Unit from the well and production facilities is 3,832 feet. This distance appears to correspond to your Schneider 1-14-8-60 Pad. When providing this distance, we'd like Operators not to consider buildings on nearby oil and gas locations. Please provide me with revised distances to the nearest Building and Building Uni from both the well and the nearest production facilities.

I am getting with the surveyor to provide this distance.

5) In the Cultural Distance section you have indicated the distance to the nearest Above Ground Utility from the well and production facilities is 1,002 feet. This distance appears to correspond to the underground fiber optics cable shown on your Location Drawing. As this is not an above ground utility, it should not be considered. Please provide me with a revised distance to the nearest Above Ground Utility from both the well and the nearest production facilities.

When speaking to the surveyor they advised me that they gave the distance to the nearest fiber optic line because there were not above ground utilities nearby. So the answer should be 5280'

6) In the Water Resources section you have indicated the nearest downgradient surface water feature is 757 feet. However, on your Hydrology Map no surface water features are listed shown within 1,000 feet of the proposed oil and gas location. Please confirm the distance to the nearest downgradient surface water feature and if necessary revise the Hydrology Map.

Please find attached Hydrology Map that shows the ditch nearby.

7) In the Water Resources section you have indicated the nearest water well is 1,705 feet. From your Hydrology Map this would be water well #8 (Permit #13952-F). A review of that water well's permit indicates the permit expired with the well apparently never having been drilled. However, there is a cross referenced water well (Permit #14646-F) nearby this location and that well was constructed. In fact, that water well is shown on the USGS Topo Map. Its distance from the proposed oil and gas location is approximately 2,650 feet and the listed static water level is 13 feet. Your Hydrology Map does not show this water well but nearby water well #9 (Permit #43843), while closer to the proposed oil and gas location, was also apparently not drilled either. Therefore I would like to change the distance to the nearest water well to 2,650 feet and the estimated depth to groundwater to 13 feet.

Thank you Doug, that would be correct and I will let our surveyor know about the well #8.

Please respond to this correspondence by June 14, 2015. If you have any questions, please contact me. Thank you.

Doug Andrews

Oil & Gas Location Assessment Specialist - Northeast Area



1120 Lincoln St., Suite 801

Denver, CO 80203

doug.andrews@state.co.us

303-894-2100 Ext. 5180



Sonic Star 1-12-8-60_Hydrology Map.pdf

726K

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

Tue, May 19, 2015 at 10:25 AM

To: Cynthia Pinel <Cynthia.Pinel@crzo.net>

Cc: Holly Taylor - DNR <holly.taylor@state.co.us>

Cynthia,

Regarding the Right to Construct question, because you have indicated that the Surface Owner is **NOT** the Mineral Owner nor signed an oil and gas lease, the Right to Construct cannot be via an Oil and Gas Lease. When the Surface Owner is not the Mineral Owner, only a Surface Use Agreement gives an Operator the right to construct their location. Therefore, this Form 2A will remain ON HOLD until either an executed Surface Use Agreement is provided or an Oil and Gas

Lease is signed.

Doug Andrews

Oil & Gas Location Assessment Specialist - Northeast Area



1120 Lincoln St., Suite 801
Denver, CO 80203
doug.andrews@state.co.us
303-894-2100 Ext. 5180

[Quoted text hidden]

Cynthia Pinel <Cynthia.Pinel@crzo.net>
To: "Andrews - DNR, Doug" <doug.andrews@state.co.us>
Cc: Holly Taylor - DNR <holly.taylor@state.co.us>

Tue, May 19, 2015 at 10:37 AM

I'm sorry, I may have communicated my answer incorrectly. We do have a signed Oil and Gas lease. I can send you a copy if you would like.

From: Andrews - DNR, Doug [<mailto:doug.andrews@state.co.us>]
Sent: Tuesday, May 19, 2015 11:26 AM
To: Cynthia Pinel
Cc: Holly Taylor - DNR
Subject: Re: COGCC Form 2A review of Carrizo Niobrara's SONIC STAR 1-12-8-60 PAD - Doc #400806764

[Quoted text hidden]

Andrews - DNR, Doug <doug.andrews@state.co.us>
To: Cynthia Pinel <Cynthia.Pinel@crzo.net>
Cc: Holly Taylor - DNR <holly.taylor@state.co.us>

Tue, May 19, 2015 at 10:53 AM

Cynthia,
No need to send it. I had missed where you indicated on the 2A that the Mineral Owner is Federal. Because the Surface Owner is not the Mineral owner, the Right to Construct the surface location will be via a Surface Use Agreement.

In summary, you filled out that section of the 2A correctly, we just need a copy of the signed SUA on the 2A.

Doug Andrews

Oil & Gas Location Assessment Specialist - Northeast Area



1120 Lincoln St., Suite 801
Denver, CO 80203
doug.andrews@state.co.us
303-894-2100 Ext. 5180

[Quoted text hidden]

Cynthia Pinel <Cynthia.Pinel@crzo.net>
To: "Andrews - DNR, Doug" <doug.andrews@state.co.us>
Cc: "Taylor - DNR, Holly (holly.taylor@state.co.us)" <holly.taylor@state.co.us>

Wed, May 20, 2015 at 8:38 AM

I'm working with Land to get the copy to send to you today.

From: Andrews - DNR, Doug [<mailto:doug.andrews@state.co.us>]
Sent: Tuesday, May 19, 2015 11:53 AM

[Quoted text hidden]

[Quoted text hidden]

Cynthia Pinel <Cynthia.Pinel@crzo.net>
To: "Andrews - DNR, Doug" <doug.andrews@state.co.us>
Cc: Holly Taylor - DNR <holly.taylor@state.co.us>

Wed, May 20, 2015 at 9:03 AM

Doug/Holly, Corrected responses are provided below in **ORANGE**. Please let me know if you require any additional information. Thank you!

From: Cynthia Pinel
Sent: Tuesday, May 19, 2015 10:03 AM
To: Andrews - DNR, Doug
Cc: Holly Taylor - DNR
Subject: RE: COGCC Form 2A review of Carrizo Niobrara's SONIC STAR 1-12-8-60 PAD - Doc #400806764

Please see my responses in **BLUE**.

From: Andrews - DNR, Doug [<mailto:doug.andrews@state.co.us>]
Sent: Thursday, May 14, 2015 3:23 PM
To: Cynthia Pinel
Cc: Holly Taylor - DNR
Subject: COGCC Form 2A review of Carrizo Niobrara's SONIC STAR 1-12-8-60 PAD - Doc #400806764

Cynthia,

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

1) Your Construction Layout Drawing shows two separators but in the Facilities section, only one separator is listed. Please confirm the number of separators planned for this oil and gas location.

Two separators

2) Your Construction Layout Drawing indicates the disturbed area will be approximately 4.5 acres, but in the Construction section and your Location Drawing the size of the disturbed area is listed as 5.4 acres. Please confirm the size of the disturbed area during construction planned for this oil and gas location.

4.5 Acres

3) In the Right to Construct section you have indicated it is granted by a Surface Use Agreement. However, on the related Form 2 APD (Doc #400717455) the right to construct is indicated to be by an Oil and Gas Lease. Please confirm the right to construct this location and if it is by a Surface Use Agreement, please provide it and I will attach it to the Form 2A.

It is by oil and gas lease and not surface use agreement. As the time gets closer to us drilling this well we will negotiate the surface use but our right to construct at this time is oil and gas lease. Please find attached.

4) In the Cultural Distance section you have indicated the distance to the nearest Building and Building Unit from the well and production facilities is 3,832 feet. This distance appears to correspond to your Schneider 1-14-8-60 Pad. When providing this distance, we'd like Operators not to consider buildings on nearby oil and gas locations. Please provide me with revised distances to the nearest Building and Building Unit from both the well and the nearest production facilities.

Production Facility to Government Facility (Building Unit) – 4040'

Well to Government Facility (Building Unit) – 4318'

Production Facility to homestead to NW – 5280'

Well to homestead to NW – 5280'

5) In the Cultural Distance section you have indicated the distance to the nearest Above Ground Utility from the well and production facilities is 1,002 feet. This distance appears to correspond to the underground fiber optics cable shown on your Location Drawing. As this is not an above ground utility, it should not be considered. Please provide me with a revised distance to the nearest Above Ground Utility from both the well and the nearest production facilities.

When speaking to the surveyor they advised me that they gave the distance to the nearest fiber optic line because there were not above ground utilities nearby. So the answer should be 5280'

6) In the Water Resources section you have indicated the nearest downgradient surface water feature is 757 feet. However, on your Hydrology Map no surface water features are listed shown within 1,000 feet of the proposed oil and gas location. Please confirm the distance to the nearest downgradient surface water feature and if necessary revise the Hydrology Map.

Please find attached Hydrology Map that shows the ditch nearby.

7) In the Water Resources section you have indicated the nearest water well is 1,705 feet. From your Hydrology Map this would be water well #8 (Permit #13952-F). A review of that water well's permit indicates the permit expired with the well apparently never having been drilled. However, there is a cross referenced water well (Permit #14646-F) nearby this location and that well was constructed. In fact, that water well is shown on the USGS Topo Map. Its distance from the proposed oil and gas location is approximately 2,650 feet and the listed static water level is 13 feet. Your Hydrology Map does not show this water well but nearby water well #9 (Permit #43843), while closer to the proposed oil and gas location, was also apparently not drilled either. Therefore I would like to change the distance to the nearest water well to 2,650 feet and the estimated depth to groundwater to 13 feet.

Thank you Doug, that would be correct and I will let our surveyor know about the well #8.

Please respond to this correspondence by June 14, 2015. If you have any questions, please contact me. Thank you.

Doug Andrews

Oil & Gas Location Assessment Specialist - Northeast Area



1120 Lincoln St., Suite 801

Denver, CO 80203

doug.andrews@state.co.us

303-894-2100 Ext. 5180



Sonic Star_Schneider SUA.pdf

729K