

## Allison, Rick

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**From:** Janni Keidel [jkeidel@gwogco.com]  
**Sent:** Tuesday, April 17, 2012 9:23 AM  
**To:** Allison, Rick  
**Cc:** Garrison, Penny  
**Subject:** RE: H-Y 29-21 Form 2A 400255201

**Importance:** High

Will do Rick. Thank you.

1. Conditions of Approval: The following COAs will apply to this location because the location is in a Sensitive Area:
  - a. The location is in a sensitive area due to the presence of shallow ground water and the proximity to surface water. Therefore, drilling, flowback and production pits are prohibited at this location. **Great Western will comply with this COA.**
  - b. Operator must implement site-specific best management practices in accordance with good engineering practices, including, but not limited to, construction of a berm or diversion dike, site grading, or other comparable measures, sufficient to protect the Cache La Poudre River located north of the oil and gas location and the recreational pond located east of the oil and gas location from a release of drilling, completion, produced fluids, and chemical products. **Great Western will comply with this COA.**
  - c. Notify COGCC OGLA Specialist Rick Allison ([rick.allison@state.co.us](mailto:rick.allison@state.co.us)) and COGCC Northeast Colorado Inspector Jim Precup ([james.precup@state.co.us](mailto:james.precup@state.co.us)) 48 hours prior to construction of the location. **Great Western will comply with this COA.**
  - d. Additional conditions of approval may be applied to the production facilities, depending on where the production facilities are located.
2. The attached Surface Use Agreement has not been redacted. You may want to send us a redacted copy to replace on the Form 2A (and 2 if necessary).

We will comply to all of the above COA's Rick.  
Janni Keidel

Permitting and Regulatory Analyst  
Great Western Oil and Gas Company, LLC  
1700 Broadway, Suite # 650  
Denver, Colorado 80290  
303-398-0388



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**From:** Allison, Rick [mailto:Rick.Allison@state.co.us]  
**Sent:** Tuesday, April 17, 2012 8:46 AM  
**To:** Janni Keidel  
**Subject:** RE: H-Y 29-21 Form 2A 400255201

Janni,

I have attached the revised Location Pictures and Reference Area Pictures to the Form 2A. Please respond with Great Western's acknowledgement of the Sensitive Area Designation and the three COAs listed below.

In addition, please supply conceptual plans for the tank battery construction when you submit that 2A. In particular, include whether the location is in a floodway or floodplain, and how the tank battery will be constructed to prevent a release from impacting the Cache La Poudre River, the ponds or the shallow ground water.

Thank you,  
Rick

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**From:** Janni Keidel [mailto:jkeidel@gwogco.com]  
**Sent:** Wednesday, April 11, 2012 9:45 AM  
**To:** Allison, Rick  
**Subject:** FW: H-Y 29-21 Form 2A 400255201

To your question #3 the below is the response from our surveying company – Uintah Engineering and Land Surveying which I received this morning. I hope this answers all your questions Rick.

Janni,

The location is in an area of fill material, which, as you know, is much higher than the ground around the ponds. The final pad elevation is about 10 or 11 feet higher than the adjacent pond elevation.

Loren

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**From:** Janni Keidel  
**Sent:** Tuesday, April 10, 2012 9:41 AM  
**To:** 'Allison, Rick'  
**Cc:** 'Garrison, Penny'  
**Subject:** RE: H-Y 29-21 Form 2A 400255201

Rick,  
Please see my comments in Red below.  
Thank you for your help.  
Janni

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**From:** Allison, Rick [mailto:Rick.Allison@state.co.us]  
**Sent:** Thursday, March 29, 2012 4:14 PM  
**To:** Janni Keidel  
**Subject:** H-Y 29-21 Form 2A 400255201

Janni,

I am reviewing the subject Form 2A and have the following changes and questions:

3. The location is in a sensitive area because: 1) the presence of shallow ground water and permeable subsurface material, and 2) the proximity of the location to the Cache La Poudre River and recreational ponds
4. The attached Surface Use Agreement appears to limit the disturbance size to 2 acres. However, the attached construction drawings indicate the location will be 2.5+ acres for the well pad, and does not appear to include production facilities. Please explain the discrepancy. **THE SUA is an approximate and the Surface owner and myself was out at the site during the time of staking and surveying and knows that it will be almost 3 acres for construction.**
5. The attached Surface Use Agreement states that the location will be cut a minimum of 5 feet below existing grade. Is this to provide screening for the location? Is this amount of cut possible given shallow ground water in this area? What is the elevation of the location compared to the water level in the ponds? **I am waiting on our surveying company for this information.**
6. The attached Surface Use Agreement shows the production facility will be adjacent the well pad. It also shows the well layout in an east-west configuration as opposed to a north-south configuration. Is the tank battery still planned as shown on the SUA attachment, and will you be submitting a Form 2A for this tank battery? **I am in the process on the Tank Battery Form 2A will submit week ending 4-20-12**
7. Location Pictures: The Location Pictures are a nearly illegible with snow covered ground blending into the sky. Please submit revised Location Pictures. **Pictures have been retaken I am waiting to get from the Surveying company will submit as soon as I get them.**
8. Reference Area Pictures: The Reference Area Pictures are nearly illegible and contain snow cover. Please submit revised Reference Area Pictures. **Pictures have been retaken I am waiting to get from the Surveying company will submit as soon as I get them.**
9. Conditions of Approval: The following COAs will apply to this location because the location is in a Sensitive Area:
  - a. The location is in a sensitive area due to the presence of shallow ground water and the proximity to surface water. Therefore, drilling, flowback and production pits are prohibited at this location.
  - b. Operator must implement site-specific best management practices in accordance with good engineering practices, including, but not limited to, construction of a berm or diversion dike, site grading, or other comparable measures, sufficient to protect the Cache La Poudre River located north of the oil and gas location and the recreational pond located east of the oil and gas location from a release of drilling, completion, produced fluids, and chemical products.
  - c. Notify COGCC OGLA Specialist Rick Allison ([rick.allison@state.co.us](mailto:rick.allison@state.co.us)) and COGCC Northeast Colorado Inspector Jim Precup ([james.precup@state.co.us](mailto:james.precup@state.co.us)) 48 hours prior to construction of the location.
  - d. Additional conditions of approval may be applied to the production facilities, depending on where the production facilities are located.
10. The attached Surface Use Agreement has not been redacted. You may want to send us a redacted copy to replace on the Form 2A (and 2 if necessary).

Thank you,

Rick Allison, P.G.  
Oil and Gas Location Assessment Specialist  
Colorado Oil and Gas Conservation Commission  
1120 Lincoln Street, Suite 801  
Denver, CO 80203  
303-894-2100 ext 5102