



State of Idaho

DEPARTMENT OF WATER RESOURCES

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C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

August 19, 2013

MOON LAKE RANCH OWNERS ASSOCIATION, INC.
c/o JAN ROSE & JEFF WREEDE
PO BOX 810
STAR ID 83669

RE: Field exam for water right permit 63-12305

Ladies and Gentlemen:

On Friday August 16th, Idaho Department of Water Resources (Department) staff met with representatives of the Moon Lake Ranch Owner's Association, Inc. to perform the field exam on water right 63-12305. Several issues have been identified that need to be addressed prior to preparing the recommendation for licensing. These matters were discussed with Jeff Wreede and Chris Wikam, and we also wanted to convey in writing to make sure everyone was aware of what the issues are. I have attached a schematic of the ponds and the wells to make it easier to describe each issue. The following things need to be addressed before licensing of this water right can continue:

- 1.) Artesian well #1. This well is located just north of the irrigation/sewage building. This well will either need to be properly decommissioned or a measurement device will need to be installed on this well. Currently this well doesn't comply with the distance standards for wells in close proximity of a sewage system, so you will need to make sure that you take the necessary steps to comply with the well drilling standards if you wish to keep this well. You will also want to check and make sure that this well doesn't supply domestic water for one of the neighboring properties. I would contact them and make sure that they don't have access to this well. Please refer to section 7 of this letter concerning water rights 63-17210 and 63-172011.
- 2.) Possible well inside building. We found what looks to be a well inside the irrigation/sewage treatment building that will either need to be decommissioned or it will need a measurement device installed on the well. This well also doesn't comply with the distance from a septic system standards so you will need to take the necessary steps to comply with well drilling standards if you wish to keep this well. If this is a well, we will also need to know the well depth, horsepower of the pump and a pump curve if possible. If this isn't a well, we need to know what it is and how it works in conjunction with this irrigation system. If this is a well, please refer to section 7 of this letter concerning water rights 63-17210 and 63-172011.
- 3.) Pipeline from Pioneer Ditch to Pond #2 (irrigation pond). We will need the delivery records from the ditch company that tell us how much water you have diverted to your property over the last 5 to 10 years. This amount should include the rate of flow in cubic feet per second, inches, or gpm and the total volume in acre feet. We will accept any delivery records that they have available.

- 4.) Artesian well #2. This is the well that is located next to the center ditch located on the southeast side of the subdivision. We found a pipeline that travels north, but we were unable to determine where it went. We did find a similar pipeline going out into Pond 5. If you want to use this well, you will need to fix the control valve, put on a measurement device, and determine where the pipeline discharges. If you wish to decommission this well, you may do that also.
- 5.) Artesian well #3. This is the well on the south side of pond #1. This well discharges into a rock ditch that feeds into pond #1. The ditch will need a measurement device installed on it. We spoke about the possibility of installing a V-Notch or Rectangular Weir in the ditch. You can find how to construct these types of weirs at http://www.usbr.gov/pmts/hydraulics_lab/pubs/wmm/cover.html. Additionally, to keep this well on the permit, the controlling works need to be repaired to allow the well to be completely shut off, the old standpipe to another mainline needs to be removed. If you wish to decommission this well, you may do that also.
- 6.) We will need copies of the share certificates from Middleton Mill Ditch Company, Middleton Irrigation Association, and Pioneer Ditch Company to ensure that your organization has retained 91.75 shares in these companies and that they have not been leased, sold or removed from the property.
- 7.) The wells for water rights 63-17210 and 63-17211 (enclosed) are still confusing. I can't tell if these water rights are tied into any of the wells on your property. The wells for water rights 63-17210 and 63-17211 belong to folks who live at 6001 Moon Valley. From our records, this ground appears to be owned by Martin LLC, and are the farm fields on the east of the subdivision. I will continue research it on my end, but things have changed considerably since this permit was issued. The two wells by the irrigation/sewage building are in the same general location as the wells for 63-17210 and 63-17211. If these are the two wells for these water rights, they cannot be used in this system. To ensure you don't cause any problems with your neighbors, I would ask the surrounding neighbors if they feel they have a water right on those wells by the irrigation/sewage treatment building.

The issues above need to be resolved before we can complete the field exam report. As discussed during the field exam, once we get the above issues resolved, we can move forward in working to get this water right licensed. Once we have everything confirmed, we begin working on amending the water right permit to cover everything you are doing with this system. We may also need to split the water right into different water rights to better describe the various uses and water systems that are being used. This process is going to take some time to get everything in order, so we are requesting that you resolve the issues discussed in this letter within 180 days. If you need additional time, please contact me and we will work with you to get everything in order.

If you have any questions or concerns, please don't hesitate to contact me at the address on this letter.

Respectfully,



Daniel A. Nelson
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