

Clelland, Steve

From: gmr@yaho.com
Sent: Saturday, October 11, 2014 3:43 PM
To: Clelland, Steve
Subject: Re: New claim filing for ground water 94-9357

Hello Mr. Clelland,

Thank you for your phone call yesterday. I pulled up the documents on the mine and it actually started in 1889, not 1888. By the early 1920's they had hand dug over 1,600 feet of mine workings. By 1950, there was over 5,500 feet of mine workings (from the history of the Whale mine, also called the Washington-Idaho mine/Cavanaugh group, and Crescent group over the years) that Dr. Earl Bennett and associates at Idaho Geological Survey compiled in 2003, Staff Report 03-5, pg.48).

I wasn't able to run down any specific information on how much water the small mill used, though a 1928 survey shows the mill site downstream from the mine. A typical rule of thumb in milling from www.edumine.com is 3 tons of water per ton of ore, or 807 gallons per ton of ore. A small mill (50tpd) will use about 150 tons of water/day or 121,050 gpd. That is around 5,044 gph, or 84 gpm. But with dewatering equipment, production can be increased to nearly 150 tons per day for the same 84 gpm water consumption. An u/g mine will use about 30 gallons of water per ton of rock mined.

I have one item I came across today I would like clarification on: the website says any groundwater use less than 18 gpm/0.04 cfs does not need a permit. I do not currently need/use more than 10 or 15 gpm from ground water, but will need more in the future as the mine grows. Most of my water use thus far has been from the creek, not the stilling well or caved shaft. My little pump pumps 30 gpm and my big pump pumps around 200 gpm, although actual use is not that much right now.

Here is a thought that came up: my original application is for about 100 gpm. Can I use my 200 gpm pump to fill a surge tank that I draw up to 100 gpm from? I don't want the pump to run constantly, but just occasionally to keep the tank topped off when I am using it. The same question applies to my ground water source(s) - can I use my little pump to fill a tank or am I only allowed to use an 18 gpm pump or less to fill a tank?

I revised my map to designate a specific surface water withdraw point from West Fork Moon Creek. I will send you the maps and another one showing the surface withdraw point and where the water is currently being used.

I do not own the property, but I own mining claims on the property for which I am applying for the water rights. The US Forest Service is the surface owner while I am the mineral/subsurface owner.

Thank you for your time and I look forward to talking with you soon.

Sincerely,

Alan Gilda, Mine Engineer
P.O. Box 498
Mullan, Idaho 83846

From: "Clelland, Steve" <Steve.Clelland@idwr.idaho.gov>
To: "gmr@yaho.com" <gmr@yaho.com>
Cc: "Clelland, Steve" <Steve.Clelland@idwr.idaho.gov>
Sent: Friday, October 10, 2014 11:59 AM
Subject: New claim filing for ground water 94-9357

Hi Alan,

Attached is the claim for your review. If you need to make changes – feel free to do so. Any handwritten notes need to be initialed by you. Then sign the claim and return to me by mail; I need the original document on - file not a copy. The fees to file this claim are \$54.00 and make the check out to IDWR.

You are going to be sending me some evidence of priority to support the claimed date of 1888 for this water right. Also you were going to mark a point of diversion (or 2?) for the pump you use in the West Fork Moon Creek. It would be helpful if you could mark the areas where the water is actually used on the map as well.

Thank you for clarifying these issues.
Steve

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