

FIELD EXAMINATION OF CSRBA WATER RIGHT CLAIM

Claim Identification Number: 94-7165

Date of Examination: 06/20/2019

Approximate Time of Examination: 09:00 AM

IDWR Field Staff: Evan Roda, Suzy Cooley-Denney

Point of Contact: Fred Price (BLM)

Examination Location: 619 Larson Rd. Mullan, ID 83846

Purpose of Visit: Determine water source and POD location

Field Examination Notes: Met with Fred Price (BLM) at the location listed above shortly after 9:00 AM. Fred was accompanied by Joanne Miller and Cynthia Weston. We all worked together to assess the source of water filling the blue barrel before being piped into the home.

The source of water was difficult to determine, but was ultimately decided to be coming from a side channel that splits off of Gentle Annie Gulch Creek, goes sub-surface beneath the ground, and is funneled through the old concrete basin before resurfacing through perforations in the bottom of the blue barrel. The old concrete base of the basin appears to be acting as a confining layer, allowing the water to collect and build pressure. The hydraulic pressure is sufficient enough to fill the barrel, with a slow overflow trickling out. When the mud and silt substrate within that concrete basin was disturbed by our foot traffic, it quickly became saturated with moisture and liquefied, much like quicksand. A hole was dug in that mud near the downstream edge of the basin and it rapidly filled with water. When water was swept out of the barrel, it was steadily replenished. Water flows by gravity pipeline from the barrel down into a window of the house. The overflow from the barrel slowly trickles out and sinks back into ground and down a marshy draw that reconnects with Gentle Annie Gulch Creek.

Based upon the observations made on site, it was determined that the source of water in the blue barrel is hydraulically connected to Gentle Annie Gulch Creek, but due to its brief subsurface flow could best be described as "Groundwater, Tributary to Gentle Annie Gulch Creek."

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1) Fred Price inspecting construction of water delivery system (Time stamp is PST)



2) Hole dug in substrate above barrel quickly filled with water

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- 3) Mud in basin above barrel became very soft and heavily saturated after being disturbed by our foot traffic

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