OGMCOAL - FW: Grassy Trail Reservoir Piezometer #12

From: "Shaver, Dave" <dshaver@coalsource.com>
To: "Daron Haddock" <daronhaddock@utah.gov>
Date: 3/21/2011 10:14 AM
Subject: FW: Grassy Trail Reservoir Piezometer #12

FYI

From: Michael Hansen [mailto:Mhansen@rbgengineering.com]
Sent: Wednesday, March 16, 2011 3:53 PM
To: Shaver, Dave
Subject: Fwd: Grassy Trail Reservoir Piezometer #12

Hi Dave
I just noticed that when I sent this update to you and Bret Dixon on Monday that it went to your old andalex email so you didn't get it ... but you should get it this time

>>> Michael Hansen 3/14/2011 3:18 PM >>>

Grassy Trail Reservoir

We have completed some background research on possible causes of the rapid change in readings in piezometer #12. We noted that after the installation of #12 we were only able to get the water level indicator down to about 72 feet rather than the tip depth of 85 feet. We had bailed water out of the piezometer and water came back up inside the pipe. We believed that water was coming up the pipe past a partial blockage at 72 feet. This blockage was letting water past, but was too big to let our probe past.

On March 9, 2011 we made a site visit to the Dam and read all the piezometers with Burt Krause with East Carbon City. In piezometer # 12 we were only able to get the probe down to about 67 feet, where we encountered just a few inches of muddy water. We were unable to get the probe down the depth of 84 feet which has been reported for the past few months.

On March 10 and 11th we ran a probe with compressed air and water down the hole and were able to gradually remove the blockage and flush the hole open down to the bottom of the peizo tip at 85 feet.
piezometerpiezometerpiezometerpiezometerpiezometerpiezometerpiezometerpiezometerpiezometerWhen we had completed flushing the hole the bottom depth of the hole was at 85.35 feet from the rim elevation of the peizometer cover. Water in the hole was at 79.5 feet. Some of this water may still be

water from flushing the hole.

On our next visit we will check the water level again and remove excess water with a small bailer, so that we can establish a new water level baseline for this piezometer.

We also checked on the status of the updates to Emergency Action Plan at East Carbon City, and they are still working on the update.

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