

From: [Erickson, Jim](#)
To: Miller.Scott@epamail.epa.gov; [Helton, Kelsey](#); [O"Steen, Bill](#)
Cc: [Brouman, Mitch](#); [Council, Greg](#); [Hutton, Richard H](#); [John Herbert \(jherbert@geohydroconsultants.com\)](mailto:jherbert@geohydroconsultants.com); [John Mousa](#); [Robin Hallbourg](#)
Subject: FW-32BE Installation Status
Date: Saturday, February 11, 2012 11:18:09 AM
Attachments: [Summary Report Feb 10 2012.pdf](#)
[well slime buildup.jpg](#)
[well slime.jpg](#)

Scott, Kelsey and others, attached is the FW-32BE installation report status. The installation of the well, well development and the step-drawdown test were completed this week. The permanent 4" pump, discharge pipe, electrical hookups will be completed by end of next week. We plan to start the multiple well aquifer test approx. Feb 21st and will run the test for about 7 days. At the completion of the test the well will go into full operation.

FYI. We also pulled the pump in FW-31BE and acidified the well to kill off the bio-fouling of the well screen, pump and discharge line. We performed 2 rounds of acidification followed by surging and brushing of the well screen. Prior to the acid treatment the well had excessive drawdown due to the bio-fouling of the screen. We were experiencing over 20 ft of drawdown in the well at 20 gpm. After the redevelopment of the well we had 1.5 ft of drawdown at 20 gpm. Hence the acidification and redevelopment was a total success in restoring the well efficiency back to its original capacity. Also, when they pulled the pump there was ¼" of bio-fouling coating the inside of the discharge pipe (see attached photographs). Significant problem in UF Aquifer. We are installing a ¼' tube past pump so we can inject acid to treat well on a monthly basis going forward that will hopefully prevent this bio buildup. Jim

James R. Erickson, P.G.
Vice President | Principal Hydrogeologist
Main: 303.665.4390 | Fax 303.665.4391

Tetra Tech GEO
363 Centennial Parkway | Suite 210 | Louisville, CO 80027