

**Brandwein, Sid, NMENV**

---

**From:** Sanders, Mike R [mrsande@sandia.gov]  
**Sent:** Thursday, March 26, 2009 1:57 PM  
**To:** Brandwein, Sid, NMENV  
**Cc:** Cochran, John R  
**Subject:** Well LWDS-MW2 history

Hi Sid-I think I've about exhausted research possibilities for the development of well LWDS-MW2. I've asked our records center folks to do a detailed search for records (like field notes or field forms) pertaining to development of this well, and they have not been able to locate any. I was able to easily find the field notes for drilling and construction of the well, but nothing unfortunately on development. I was really after the original logbook that was used when this well was constructed and developed, but we have just not been able to locate it, for some reason. This is what I know about the well.

1) Drilling by Water Development Corp. started on August 12, 1992, and well installation and construction was completed on October 27, 1992. The well was drilled with the sonic drill rig. USGS personnel, including Cyndi Abeyta, logged the cuttings from the well. I spoke to Cyndi (who now works for the US FWS in Abq.) several days ago, and she confirmed that Water Development Corp. drilled, installed, and developed the well, and that Sandia folks (rather than USGS personnel) supervised drilling, construction, and development of LWDS-MW2.

2) Weekly reports found in the records center by the Sandia employee (Lon Dawson) who was in charge of the project indicate that the well was developed starting the week of March 15, 1993, and was completed during the two week period beginning March 29, 1993.

3) I've also spoken recently to Jerry Peace (who was also actively involved in moon. well construction at the time) and Lon Dawson about development of this well. Both of them indicated, as I suspected, that typical development procedures were used for this well. These procedures include initial balling to remove heavy sediment that may have accumulated in the well sump, running a surge block up and down in the screened portion of the well to draw fines out of the gravel pack and into the well interior, and then cycling with bailing and surge blocking until sediments for the most part stopped moving into the well. A submersible pump was then lowered down to the screened portion of the well, and the well was pumped until the water eventually cleared, and stabilization of field parameters was achieved. Jerry and Lon both confirmed that there was nothing unusual about how this well was developed, nor were any significant problems encountered during development. Abnormal conditions in terms of water quality have not been encountered during the periodic purging and sampling of the well.

That's about all I can tell you. Sorry I was not able to come up with development specifics, but I at least wanted to convey that we've given it a valiant effort. Plz. Feel free to call if you have additional questions about other SNL monitoring wells, and we'll do our best to answer them. Take care Sid.

Mike Sanders

---

This inbound email has been scanned by the MessageLabs Email Security System.

---