

Wednesday, August 04, 2004

Jerry D. Olds P.E.,
Utah State Engineer,
Department of Natural Resources,
Division of Water Rights,
1594 West North Temple, Suite 220,
P.O. Box 146300,
Salt Lake City, Utah 84114-6300

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WATER RIGHTS
SALT LAKE

SUBJECT: Eagle Mountain Ranches Well

Dear Mr. Olds,

We appreciate the opportunity to submit to you a summary of the water level tests that have been performed for the City's well as was requested by your office. The City has performed water level tests over the past year. The well was originally constructed in the winter of 2000 and was put into operation in June of 2001. The tests that have been taken over the last year and a half have been performed by City personnel. However the tests that have been conducted over the past month and a half have been administered by me acting as the City Engineer.

The tests that have been conducted have been performed in accordance with the criterion submitted in our previous letter. Following is a table that notes the respective static and operating water levels associated with the well.

Table 1 - Summary of Static and Operating Water Level

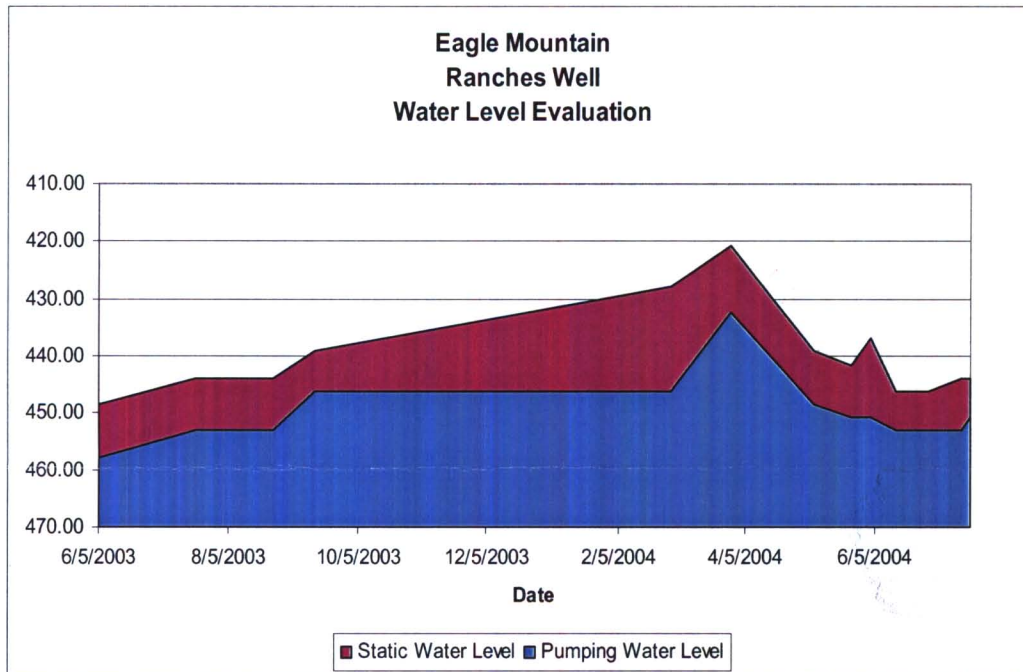
Date	Static Water Level	Operating Water Level
6/5/2003	448	458
7/21/2003	444	453
8/26/2003	444	453
9/15/2003	439	446
3/1/2004	428	446
3/29/2004	421	432
5/7/2004	439	448
5/25/2004	442	451
6/3/2004	437	451
6/15/2004	446	453
6/30/2004	446	453
7/16/2004	444	453
7/20/2004	444	451

The static water level of the well at the time it was drilled in February 2000 showed an initial static water level of 423 feet. This elevation coordinates with the recovered water levels experienced during the non or minimal use period during the winter of 421 feet. The levels also show a reduction in the water levels in the well of approximately 30 feet from the maximum use and the non-use periods.

Figure 1 provides a graphical depiction of the obtained data. The graph interestingly shows that the water level within the well recharges itself quite quickly during non or minimal user periods. With ongoing usage and consistent monitoring, trends should be developed as to the aquifer's capacity and characteristics.

C:\Documents and Settings\Korey Walker\Desktop\Korey Walker backup\My Documents\Epic Engineering\Clients\Eagle Mtn\Water\Ranches Well Water Level Monitoring - July.doc

Figure 1 - Ranches Well Static and Operating Water Elevations



This is the first letter providing the summary for the Ranches Well from Eagle Mountain City. A letter will be generated monthly that will update the above noted table and graph. Please contact me with any questions regarding the letter or the monitoring process at 801-420-3929.

Respectfully,
EPIC ENGINEERING, P.C.

Korey C. Walker, P.E.
Principal

CC: Mark Sovine – Eagle Mountain Public Works Director
Mayor Bailey – Eagle Mountain City Mayor
Jerry Kinghorn – City Attorney
Jim Riley – Division of Water Rights