From:	Trey Driscoll
To:	rom904@hughes.net
Cc:	Bennett, Jim
Subject:	Water Level Records from Maupin Wells
Date:	Monday, August 19, 2013 2:43:02 PM
Attachments:	Maupin Water Level Records_Tierra del Sol_19AUG2013.pdf

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Mr. Maupin:

As per your request is the monitoring well data for your main domestic well (RM-1) and the field well (RM-3).

Please contact me at 760.415.1425 if you have any questions with the water level data.

Cheers,
Trey

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August 19, 2013

Mr. Robert Maupin
904 Tierra Del Sol Road
Boulevard, CA 91905
(Submitted via e-mail: rom904@hughes.net)

Subject: Water Level Records from Wells RM-1 and RM-3

Dear Mr. Maupin

Dudek has monitored the water levels in well RM-1 (main domestic well) since September 7, 2012 (Figure 1) and well RM-3 (field well) since August 25, 2012 (Figure 2). The first measurements of water level in these wells were taken manually with a water level sounder. A pressure transducer, which measures the height of the water column in the wells every 15 minutes, was installed in well RM-1 on September 6, 2012 and in well RM-3 on September 21, 2012. The pressure transducers were last downloaded on July 9, 2013. Manual measurements of the water levels in the wells were taken at the same time.

Between September 2012 and July 2013, the static (non-pumping) water level in well RM-1 has dropped approximately 1.3 feet. Over the same time interval, the static water level in well RM-3 has dropped approximately 1.1 feet. The depth to water recorded during pumping periods in well RM-1 is approximately 35 feet below the top of the well casing, with pumping during May and June 2013 causing larger declines in the pumped water level, to depths of up to 45 feet below the top of the casing. Pumping during June 2013 has caused much steeper declines in the pumping water level recorded in the transducer data from well RM-3. The depth to water during pumping between November 2012 and May 2013 was approximately 30 feet below the top of the well casing. The maximum observed depth to water in June 2013, however, was approximately 85 feet below the top of the well casing.

The declines in the static water level observed in Wells RM-1 and RM-3 are consistent with the below average precipitation received in San Diego County between October 2012 and July 2013. The decline in the pumping water levels is likely related to the increased duration of the pumping and the higher demand for water during the summer months.

Please do not hesitate to contact me (760) 415-1425 with any questions you may have about the data.

Sincerely,

Trey Driscoll

Trey Driscoll, PG No. 8511, CHG No. 936
Senior Hydrogeologist

Cc: *Jim Bennett, County of San Diego Groundwater Geologist*
Enclosures: *Figures 1 and 2*

Figure 1. Well RM-1 Water Level Data

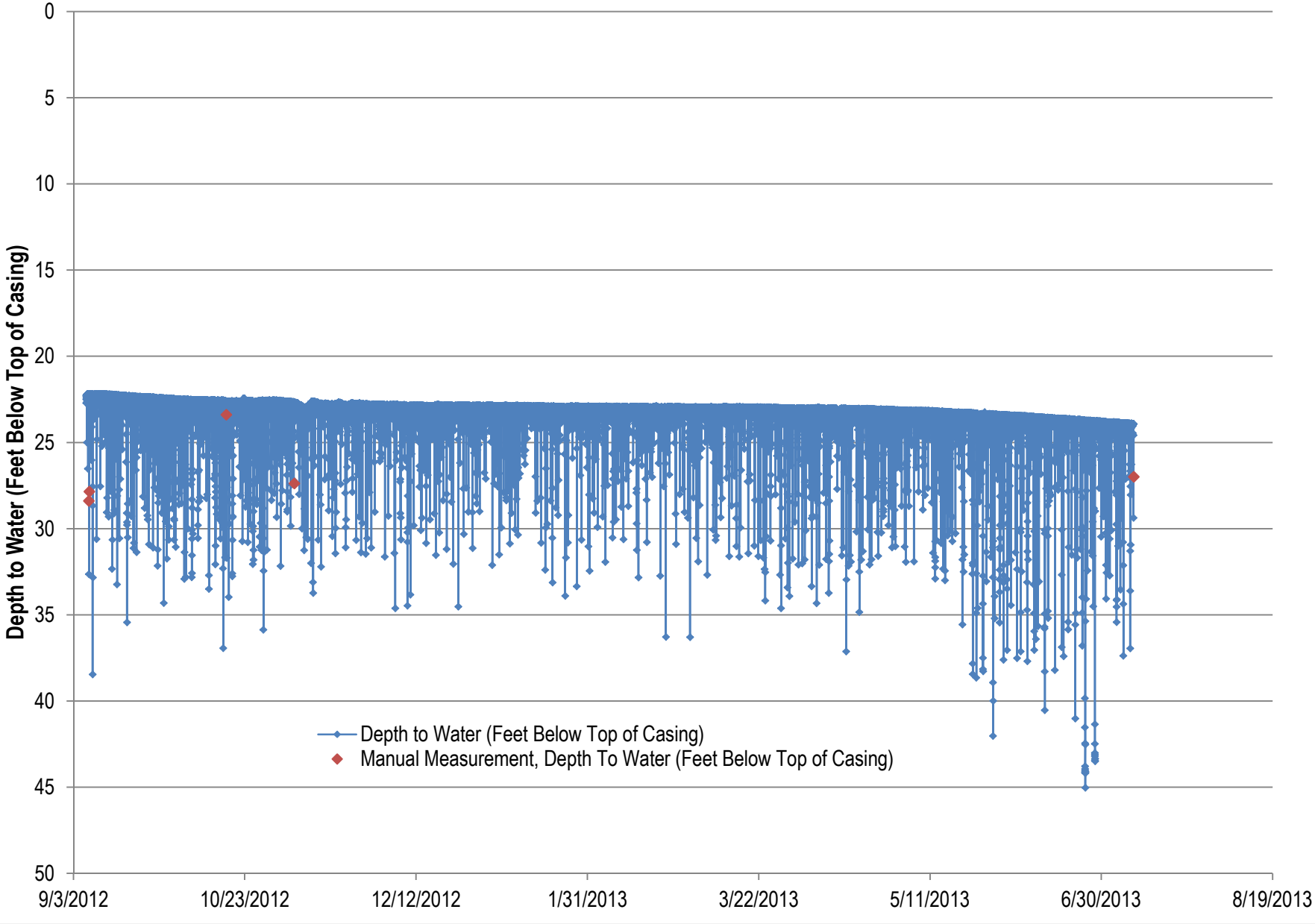

Figure 2. Well RM-3 Water Level Data