

Proposing a New Site for a Production Well within Nablus Municipality Boundaries



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Table of Content

1. Objectives.....	4
2. Water Resources	5
3. Geological and Hydrogeological Settings of the Study Area	9
4. Existing Wells and Analysis of the Regional Drop in the Water Level of Wadi Makhadat Well Field	19
5. Proposed Site and Well Design of New Al-Hisbeh Well.....	24
6. Conclusions.....	27

1. Objectives

Many Palestinian communities are currently suffering from severe shortages in domestic water supply, because of low rainfall and increase in the number of population. The problem is obvious in the northern parts of the West Bank where the domestic supply in these communities ranges between 30 L/c.d and 80 L/c.d, which is considered very low when compared with the WHO standards of 150 L/c.d.

In the Nablus Governorate, the total available water for domestic purpose is much less than the water supplied. The severe lack of natural water resources in Nablus City is indisputable. The current City demands for various usages are met essentially by limited water quantity from several springs of Al Qaryon, Ras Al Ain, Ein Al-Assal, Ein Dafana, and New Building spring, in addition to several production wells of Audala, Deir Sharaf 2a, Al Far'a, and Al-Badan wells. Therefore, there is an urgent need to increase the water supply for this City with a reliable quantity of fresh water. This can be accomplished by drilling a new water production well in the Nablus Area. The objective of this report is to identify the location of a new production well in the Nablus area.

Furthermore, it is an objective to choose a location of the new site within the municipal boundaries of Nablus City in order to use the existing facilities which by default means that any additional cost related to a location away from the City will be minimized. Also, it is much easier for Nablus Municipality to conduct operational and maintenance activities if the new location is within the municipality boundaries. For these purposes, the siting of the new well was studied within the municipal boundaries of Nablus City.



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