

**HYDROGEOLOGICAL OBSERVATION WELL FROM HARLAU, IASI
COUNTY – CONTRIBUTIONS TO THE KNOWLEDGE OF SARMATIAN
AQUIFER FROM THE NORTH PART OF MOLDOVA**

¹EMIL RADU, ²EMILIAN PANAITESCU, ²EMIL DROLL

1- National Institute of Hydrology and Water Management – Hydrogeology and
Environmental Isotopes Department

2 – National Administration “Apele Române” – Prut Waters Directorate, Iași

Abstract

Hydrogeological observation well FA HARLAU pertains to the National Hydrogeological Network for Depth Groundwater and was drilled up to 170 meters depth, in year 2002.

The main research objective of this well was, from hydrogeological point of view, the study of Sarmatian deposits which develop in Hârlău area, Iași county.

It was intercepted alternation of clays and marls, with sands and argillaceous sands intercalations. It was intercepted the aquifer horizon situated between 148 and 156 meters depth.

FA HARLAU complete quantitative and qualitative hydrogeological information concerning the Sarmatian aquifer from the north part of Moldova, confirming the fact that this aquifer has a low quantitative potential and the water quality is inappropriate.

Key words: hydrogeological observation well, Sarmatian aquifer, groundwater quality.