

Graphic Geological Presentation for the Field Development Projects Based on Computer Programs

Niko FILIPOVIĆ



This paper illustrates the preparation of colour computer based graphic geological enclosures for field development projects (structural maps, lithofacies maps, effective thickness maps, porosity maps, different summary and location maps, geologic profiles, columns and synthesized geological enclosures).

Due to the great quantity of data available during the development of oil and gas fields, it is necessary to have designed data bases for digital recording. On this basis and with the help of computer programs, we obtain the final form of geological graphic presentations in a relatively short time. Later, if required it is possible to perfectly graphically arrange this for a higher level presentation using the designing program.

The great advantage of computer graphic enclosures is the time saving for the geologist designers during field development, easier data synthetisation, simple exchange of parts of the enclosures for different purposes in future projects and the easier use of enclosures for other users. In this manner we obtain efficiency in the complex procedure of field development.

The poster presented some graphic geological enclosures for the Crnac, Đeletovci, Privlaka, Bokšić-Klokočevci and Bunjani fields. Some samples of these are shown on Figs. 1-3.

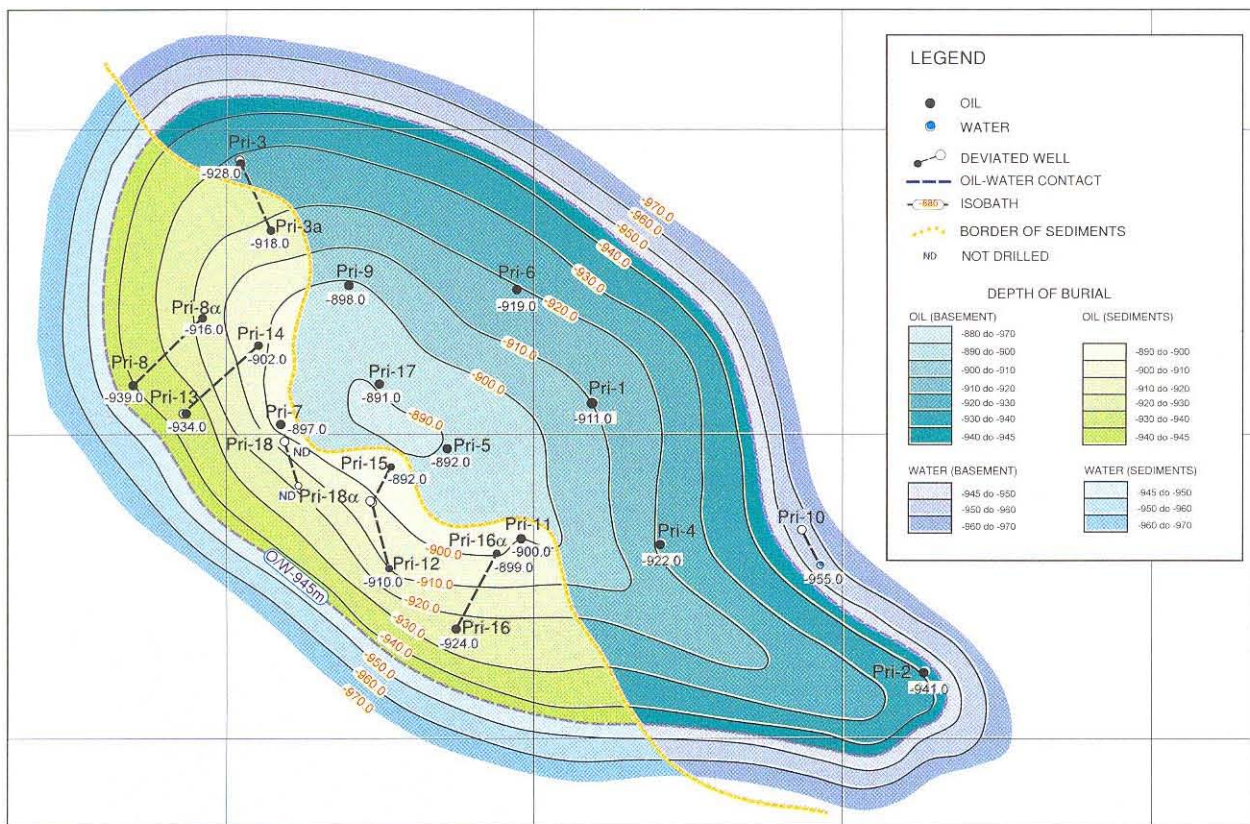


Fig. 1 Contour map of the top of the "Privlaka" reservoir.

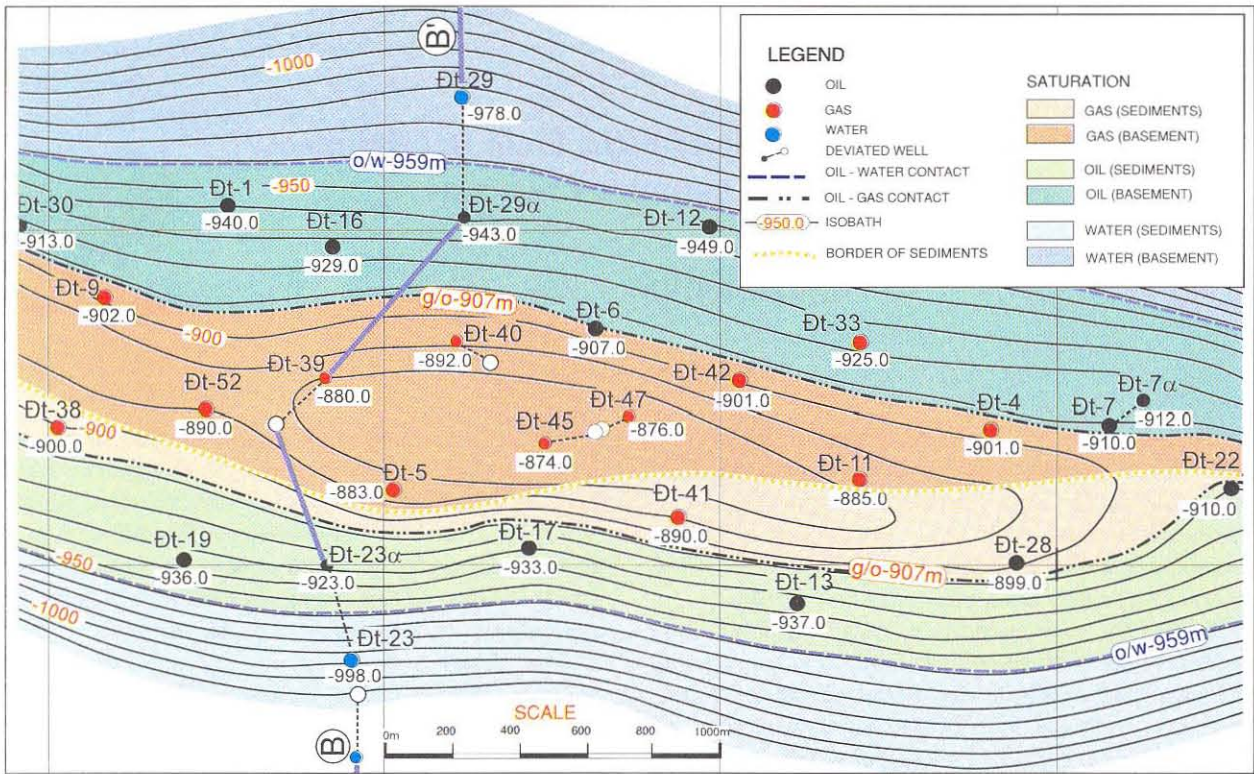


Fig. 2 Part of the contour map on top of the "Deletovci" reservoir.

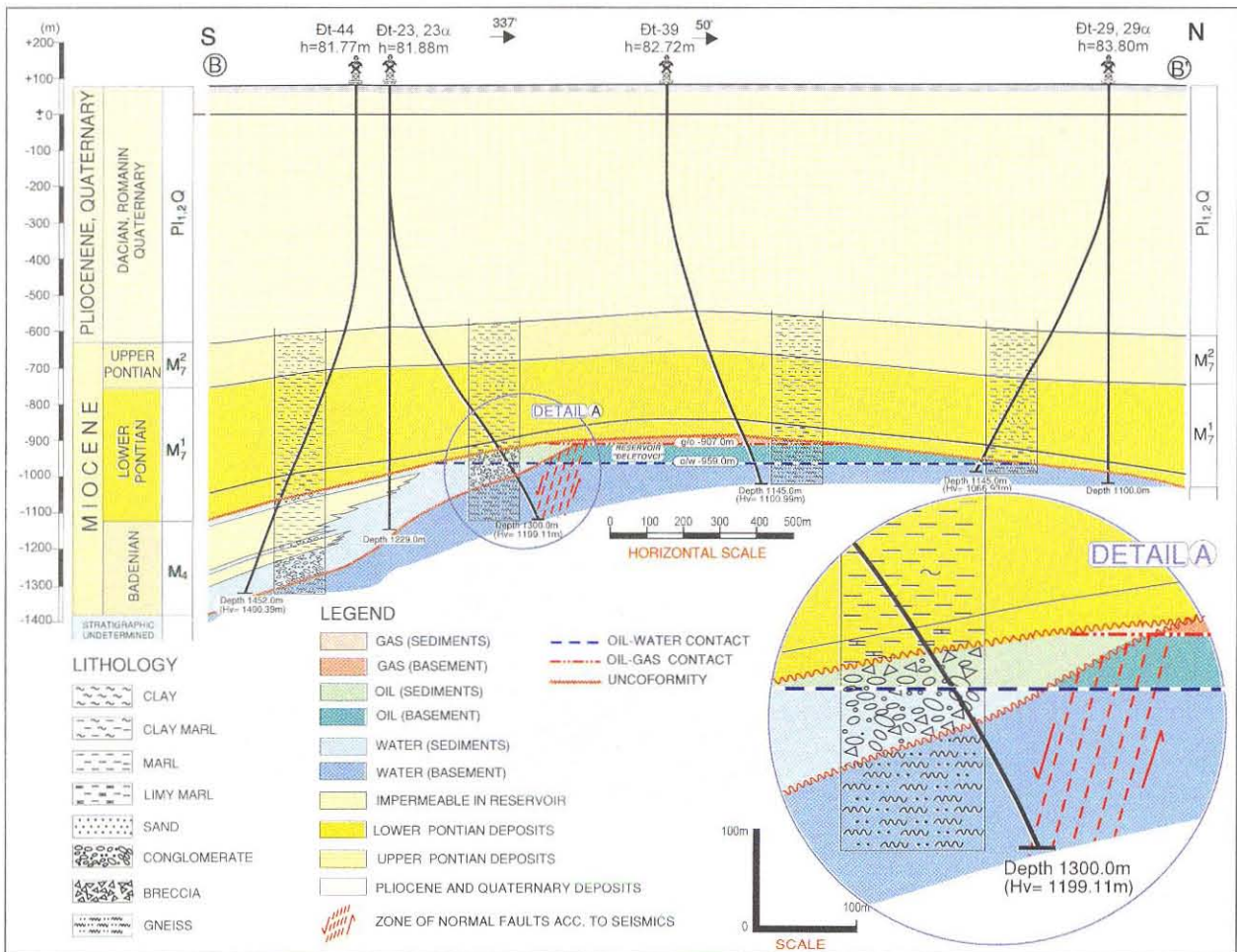


Fig. 3 Geological cross section (B - B') of the Deletovci field.