

Plate 1. Gamma Ray Correlation: Correlation diagram of gamma ray profiles/logs from 16 wells projected onto a NE-SW line (line of section V-V', Figure 1). The datum is the base of a prominent natural gamma peak at a depth of 310 feet in well DR-394. The horizontal distance between wells is not to scale (see Appendix 3 for cross sections with both vertical and horizontal scales). Dashed and solid lines indicate positions of correlated and observed flow features. Observed flow zones are shown with a plus (+) symbol and correlation lines are solid. Dashed lines indicate that the position of the flow feature was interpreted from the gamma signature. Variations in the distance between correlation lines indicate variations in thickness of the different stratigraphic intervals. The gamma ray variations are consistent in all the wells providing a good three-dimensional correlation tool to recognize and trace flow zones throughout the area.

