

VAX-11/780 Computer Oriented Well Logging Data Analysis Technique
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A computer program has been developed by OPED, CPC for well logging data analysis as an aid in interpretation. For some time

past, what we used as a tool for logs data analysis were chart books and calculator, it could impose a substantial man-hour cost. VAX-11/780 computer implemented technique greatly improve the accuracy and capability of the processed data, the program uses the shaly sand and complex lithology reservoir analysis theory to result the formation water saturation, effective porosity and clay content, etc. Those results are not only necessary for reservoir interpretation but also important for the study in sedimentology and stratigraphy.

This paper described the program structure and reviews the technique of analysing the shaly sand and complex lithology reservoir. Some examples of practical interest in wells in Taiwan area are discussed. Log data cross-plots used to determine shale parameters are shown.
