

COMPUTER APPLICATIONS TO LOG INTERPRETATION

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ABSTRACT

Modern stored-program electronic computers are adaptable to statistical studies and other repetitive arithmetic operations relative to log interpretation. This paper touches on several applications in practical use within the industry today. An effort is made to assess both the validity and the economics of machine computation.

Machine speeds are unbelievably fast, permitting an investigation of a large spectrum of possible interpretations. It must be recognized, however, that each problem must be very well defined before taking it to the computer. This suggests that each program must evolve slowly starting with a few simple operations and decisions. Modifications are then based on previous results.

In order to justify the expenditures for the programming and operation of the computer, the answers produced must be valid and of increasing utility in the search for oil.

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