

6751
Memorandum M-1115

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Electronic Computer Division
Servomechanisms Laboratory
Massachusetts Institute of Technology
Cambridge, Massachusetts

SUBJECT: BI-WEEKLY REPORT, Project 6751, October 16, 1950

To: J. W. Forrester

1.0 GENERAL

(J. D. Porter)

As discussed by Mr. J. W. Forrester in M-1109, the scientific and engineering applications group has taken over the study of the application of Whirlwind I to underground oil reservoir problems. This study began with the consideration of four reports which were included by Mr. F. E. Swain with his own report on his visits to the Carter Oil Company Laboratories in Tulsa, Oklahoma, on April 13 and 14, 1950, and on May 9 and 10, 1950. These reports include the second report (Aug. '48) of J. von Neumann, reprints of papers by Muskat and by Muskat and Taylor, and a manuscript by D. R. Shreve.

However, the solution which we will endeavor actually to program on our computer is the one given in May, 1950, by Dr. J. von Neumann. We have requested a copy of this solution. In the meantime, I am continuing a study of the reports and other literature available in the MIT libraries.