GEOLOGICAL INTERPRETATION OF AERIAL SPECTROMETRIC AND MAGNETIC SURVEY DATA, WADI HAMMAD-WADI QENA AREA, EASTERN DESERT, EGYPT.

Thesis

Submitted in Partial Fulfillment of requirements for the

DEGREE OF MASTER OF SCIENCE

(GEOLOGY)

By

MOHAMMED AHMED EL SADEK

(B . Sc .)

FACULTY OF SCIENCE

AIN SHAMS UNIVERSITY

1993

ACKNOWLEDGMENTS

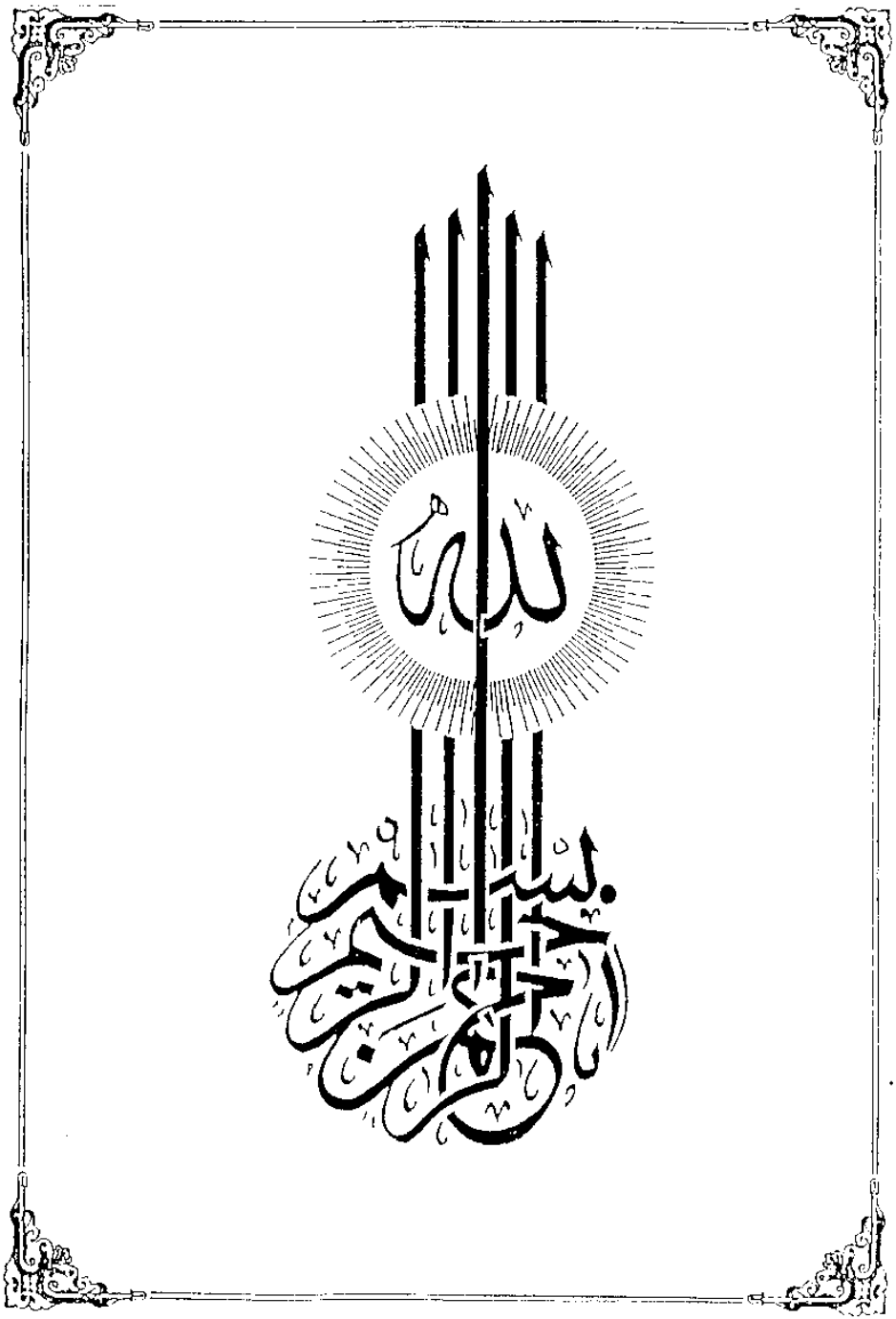
The author wishes to express his thanks and gratitude to Dr. Ahmed M. Sabrie, Professor of geophysics, and head of the Geophysics Dept. , Faculty of Science, Ain Shams University, Cairo, Egypt, for his supervision of this study.

The author would like to express his thanks and appreciation to Dr. Ahmed A. Ammar, Professor of applied geophysics, and head of the Exploration Division, Nuclear Materials Authority, Cairo, Egypt, for his sincere guidance, fruitful discussions, supervision and continued help in the interpretation of this study.

The author is especially grateful to Dr. Elsayed M. El Kattan, Assistant professor of applied geophysics, Exploration Division, Nuclear Materials Authority, Cairo, Egypt, for his continuous help, supervision and guidance throughout this study.

The author would like to express his gratitude to Prof. Dr. Nabil M. T. EL Hazek, President of the Nuclear Materials Authority, Cairo, Egypt.

The author is also grateful to all members of the Exploration Division, Nuclear Materials Authority, Cairo, Egypt. Special thanks are also due to my wife.



CONTENTS

SURVEY DATA.

LIST OF FIGURES