

AESB3341: PETROPHYSICS AND IMAGE ANALYSIS

INTRODUCTION TO THE PHYSICS OF ROCKS: THEORY AND APPLICATIONS

Chapter 1: Introduction

Chapter 2: Constitution of Rocks

Chapter 3: Rock & Core Analysis

Chapter 4: Rock Porosity, Permeability and Capillary Pressure

Chapter 5: Rock Resistivity, Conductivity & Natural Potential

Chapter 6: Rock Nuclear Behaviour & Applications

Chapter 7: Rock Acoustical and Related Mechanical Behaviour

Chapter 8: Synopsis of Physical Properties of Rock & Combined
Applications

Chapter 9: Evaluation of Minerals, Fluids and In-situ Environments:

A: Oil & Gas

B: Coal & Water

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