

EXISTANCE OF UPPER LUTETIAN IN THE MUŞ TERTIARY BASIN

Şükrü UYSAL*

ABSTRACT.— The studied area lies in the north of Azakpur town in the east of Muş Tertiary basin. In this study, the age of the towermost levels of the basin, which was unknown, has been determined as the Upper Lutetian. These Upper Lutetian rocks consist of claystone-sandstone-conglomerate alternation. Lower levels gradually pass marine sequence. Lower-Middle Oligosen rocks, consisting of a limy claystone-sandstone alternation, overlie unconformably Upper Lutetian rocks with a conglomeratic level. Upper Oligocene-Lower Miocene rocks overlie the Lower-Middle Oligocene sequence conformably. They are made up of limy claystone-sandstone alternation with rare limestone interbeds and they reflect deep marine conditions. Lower Miocene rocks comprise limy claystone, conglomerate, sandy limestone and reefal limestone, and indicate shallow marine conditions. Pliocene terrigenous formations unconformably overlie the Lower Miocene rocks and composed of conglomerate, sandstone and claystone. They also include some lacustrine limestone and volcanic levels.