

GEOLOGY OF THE TEKMAN (ERZURUM) BASIN AND PETROLEUM POSSIBILITIES

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ABSTRACT.— In the investigated area, Paleozoic aged Akdağ metamorphics, Cretaceous aged Şahvelet ophiolitic complex, Upper Cretaceous aged Derviş Halit formation, Eocene aged Musakomu and Gıngımtepe formations, Oligocene aged Ağcakoca formation, Miocene aged Hürübaba, Haneşdüzü and Hacıömer formations, Pliocene aged İncesu formation, Middle Miocene aged Aras volcanics and Plio-Quaternary aged Yıldırımdağ basalts are exposed. Katranlı stream area active oil seepages are present. Mesozoic-Tertiary aged formations have intervals having the characteristics of source rocks, reservoir rocks and cap rocks.