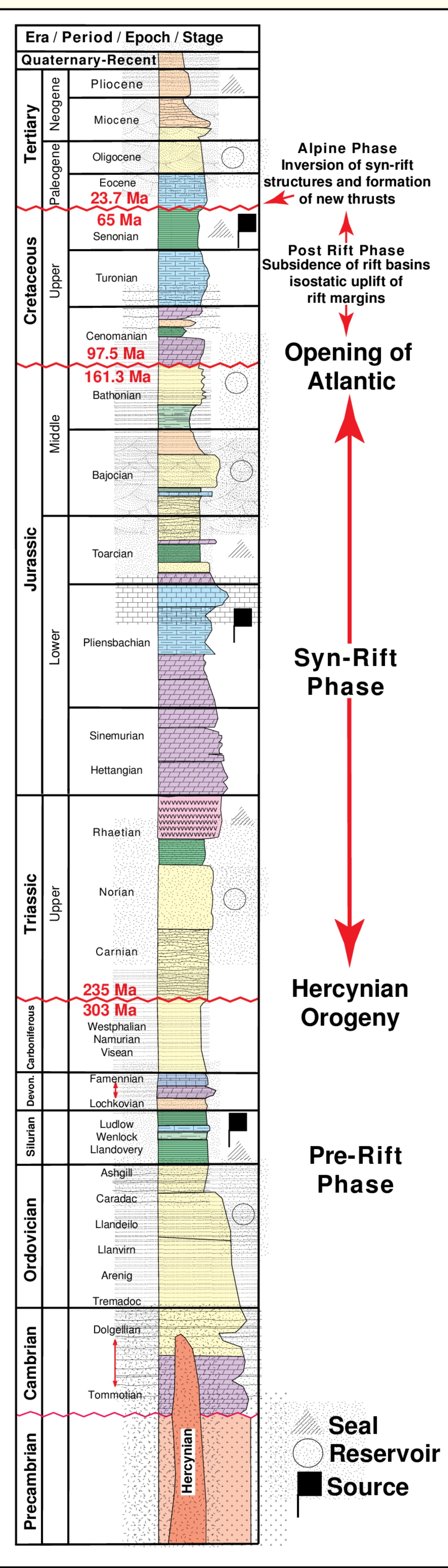
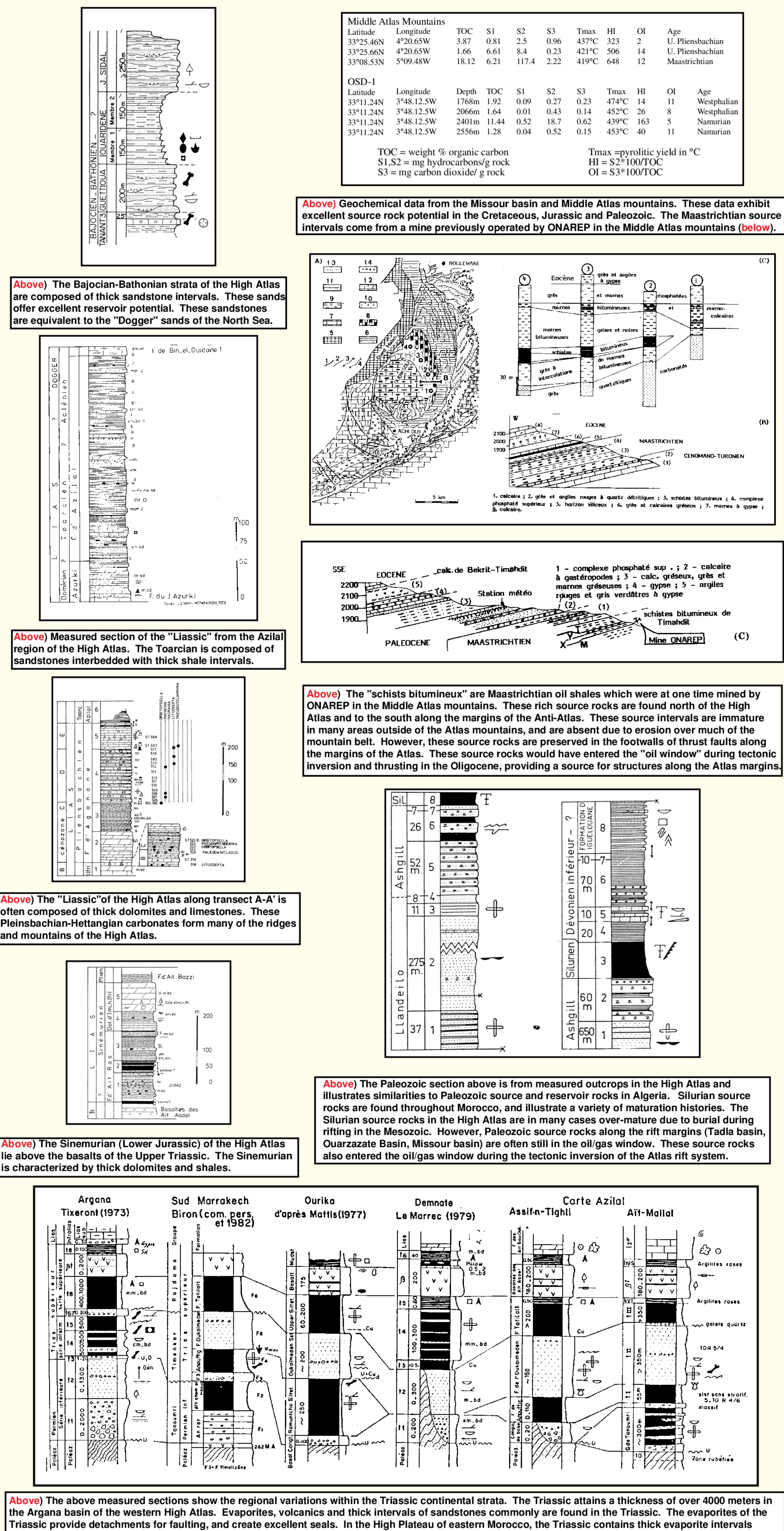


# Stratigraphy of the High Atlas: Potential reservoirs, source rocks and seals.



**Above)** Composite stratigraphic column for the High Atlas mountains of Morocco. This section was derived from detailed measured sections in the High Atlas, Anti-Atlas and well data.



**Above)** The above measured sections show the regional variations within the Triassic continental strata. The Triassic attains a thickness of over 4000 meters in the Argana basin of the western High Atlas. Evaporites, volcanics and thick intervals of sandstones commonly are found in the Triassic. The evaporites of the Triassic provide detachments for faulting, and create excellent seals. In the High Plateau of eastern Morocco, the Triassic contains thick evaporite intervals of over 2000 meters. These thick evaporite intervals are also found north of the Atlas in the autochthonous strata beneath the pre-Rift. Opportunities for structural traps are present in "sub-salt" Triassic intervals sourced by the Paleozoic, with reservoirs in the Triassic sandstones, sealed by the overlying Triassic evaporites.