The thin (~100 m) areally extensive Bidahochi Formation records fluvial and lacustrine aggradation from ~16 to 6 Ma. The dating of this unit, as well as the Tertiary rim gravels, indicates that the minimum AHe dates are younger to the northeast with increasing distance from the Mogollon rim and in closer proximity to the modern scarp formed by the Mesozoic granite Gorge not yet unroofing along SE fault. One important piece of evidence for the model is that the Tertiary unroofing model was generated from the sea level fluctuations that accompanied the denudation of Paleozoic, Mesozoic and Cenozoic sedimentary rock units. The numerical simulations were performed with the UH-He closure temperature (Tc) and [He] results from the apatite samples in the western part of the Colorado Plateau. The Tc results are consistent with the interpretation that the model was generated from the apatite samples in the western part of the Colorado Plateau. The Tc results are consistent with the interpretation that the model was generated from the apatite samples in the western part of the Colorado Plateau.