The coniveau filtration as an algebraic Postnikov tower

The Postnikov tower of a topological space or spectrum gives a decomposition of the "complicated" topological object into the "simpler" homotopy groups of the object. Comparing the two gives rise to the Atiyah-Hirzebruch spectral sequence in topology. Voevodsky has given an analogy to this in the setting of $\mathbb{A}^1$-stable homotopy theory, called the "slice tower". In this setting, the complicated objects are called T-spectra, and the simpler pieces are motives. The Atiyah-Hirzebruch spectral sequence thus goes from motivic cohomology to motivic homotopy. The construction of the slice tower is quite formal and yields little information on the terms or layers in the tower. By considering the Friedlander-Suslin construction of the spectral sequence from motivic cohomology to K-theory, we are able to give a more concrete construction of the slice tower in terms of a version of the classical coniveau filtration.