

PLATE 8. Northeast-facing block diagrams of the central (**8A**) and southern (**8B**) Mesilla Basin that schematically portray major RG-rift stratigraphic and structural features at 1x VE to a base elevation of 25,000 ft (7.6 km) below msl. 1:100,000 compilation scale. Stratigraphic-unit definitions on **PLATE 8-1** (*cf.* **TBLS. 2 and 3**).

PLATE 8A. Block diagram with 32° N-latitude base panel. Inset cross-section I-I' (**PL. 5i**) is one of 19 hydrogeologic sections that show lithofacies, hydrostratigraphic and structural relationships at scales appropriate for *compilation-scale* groundwater-flow and hydrochemical modeling. It also depicts major components of the deeply buried Mid-Basin High in the area of the large Lanark igneous-intrusive complex of Oligocene age (TmLC).

PLATE 8B. Block diagram of the southern Mesilla Basin, with south-facing panel on International-Boundary. It schematically portrays major RG-rift stratigraphic and structural features, including the Eocene* Cristo Rey igneous-intrusive complex. Pale-blue shading at the southern edge of the 2017 Google Earth® background image show the approximate NE extent of pluvial-Lake Palomas at its Late Pleistocene high stands.