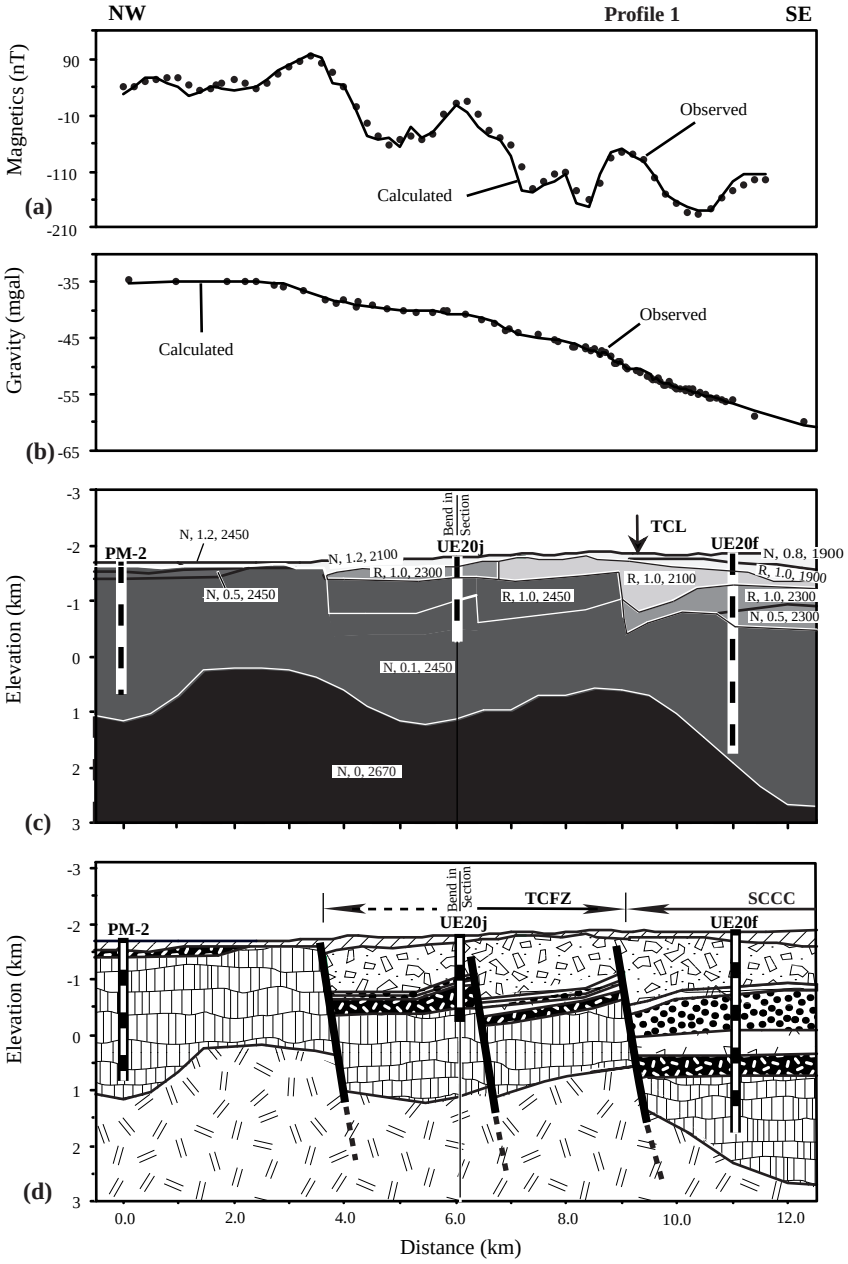


Figure 7. Geophysical model (c) showing density distribution that will fit the observed gravity (b) and magnetic (a) fields along profile 1, and geologic interpretation (d) of the model. In (a) and (b), dots are observed gravity and aeromagnetic values along the profile, and the solid curves represent the calculated values based on the model parameters. Also shown are locations of drill holes and the inferred positions of (c) the Thirsty Canyon lineament (TCL), (d) the Thirsty Canyon fault zone (TCFZ) and the Silent Canyon caldera complex (SCCC). Each block in the geophysical model (c) contains a three item descriptor: (1) Magnetic polarity (N, normal; R, reversed), (2) magnetic intensity (A/m) and, (3) density (kg/m$^3$). Elevations above sea level are expressed as negative numbers. Patterns in (d) correspond to those in figure 2. No vertical exaggeration. See figure 5 for location of profile.